ACL 2020

The 58th Annual Meeting of the Association for Computational Linguistics

Proceedings of the Conference

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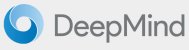

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Message from the General Chair

It is my delightful duty as General Chair to sit at my kitchen table here in San Francisco and write these words welcoming you to the 58th Annual Meeting of the Association for Computational Linguistics.

Our conference this year is of course very different than in the past; I'll be attending the conference from my kitchen table as well. This is our first experience of ACL as a virtual conference, a shift due to a great trial to all of us, the COVID-19 virus.

Our hope in designing this year's conference was to draw strength from this tragedy and come together as a community. We wanted the conference to offer a beacon of inclusion, making it much easier for people all over the globe, whatever their resources or backgrounds, to come to share their knowledge and learn from each other, in a safe, welcoming, and exciting environment. And we wanted the conference to offer a message of sustainability, proving that even without the environmental costs of thousands of people flying around the globe, and despite the lack of face-to-face cameraderie that helps bind us together, we could nonetheless send our words and thoughts and around the globe and build something together in another way.

Our challenge was to do so in a few months, and with little prior experience of our own. I am so proud of our program chairs Joyce Chai, Natalie Schluter, and Joel Tetreault, and the entire organizing committee, for rising to the challenge and putting together this wonderful meeting.

We have many people to thank. Joyce, Natalie, and Joel, as is our ACL custom, bore the brunt of the organizational burden, and managed beautifully despite all the simultaneous demands of the whirlwinds of their daily work and home lives. The unflappable and wise Priscilla Rasmussen. The amazing 52-person organizing committee, who all turned on a dime to make the conference work virtually: Local Chairs (Jianfeng Gao, Luke Zettlemoyer), Tutorial Chairs (Agata Savary, Yue Zhang), Workshop Chairs (Milica Gašić, Dilek Hakkani-Tur, Saif M. Mohammad, Ves Stoyanov), Student Research Workshop Chairs (Rotem Dror, Jiangming Liu, Shruti Rijhwani, Yizhong Wang), Faculty Advisors to the Student Research Workshop (Omri Abend, Sujian Li, Zhou Yu), Conference Handbook Chair (Nanyun Peng), Demonstration Chairs (Asli Celikyilmaz, Shawn Wen), Diversity and Inclusion Chairs (Cecilia Ovesdotter Alm, Vinodkumar Prabhakaran), Diversity and Inclusion Sub-Committee Chairs (Academic Inclusion Chairs: Aakanksha Naik, Emily Prud'hommeaux, Alla Rozovskaya; Accessibility Chairs: Sushant Kafle, Masoud Rouhizadeh, Naomi Saphra; Childcare Chairs: Khyathi Chandu, Stephen Mayhew; Financial Access Chairs: Allyson Ettinger, Ryan Georgi, Tirthankar Ghosal; Socio-cultural Inclusion Chairs: Shruti Palaskar, Maarten Sap), Local Sponsorship Chairs (Hoifung Poon, Kristina Toutanova), Publication Chairs (Steven Bethard, Ryan Cotterell, Rui Yan), Virtual Infrastructure Chairs (Hao Fang, Sudha Rao), Virtual Infrastructure Committee (Yi Luan, Hamid Palangi, Lianhui Qin, Yizhe Zhang), Publicity Chairs (Emily M. Bender, Esther Seyffarth), Sustainability Chairs (Ananya Ganesh, Klaus Zechner), Student Volunteer Coordinator (Marjan Ghazvininejad), Website Chairs (Sudha Rao, Yizhe Zhang)

The ACL Executive Committee gave excellent guidance and advice. Extra-special thanks to ACL Officers Nitin Madnani, Matt Post, and David Yarowsky. We drew heavily on the infrastructure pioneered by Sasha Rush and the ICLR organization committee at ICLR 2020, together with lots of advice from the organizers of other virtual conferences and the ACM.

We are, as always, extremely grateful to our sponsors, listed on the previous page.

And finally, thanks to you, the thousands of members of our community who made this conference possible by writing papers, recording talks, reviewing and area chairing the papers, being invited speakers, and perhaps most important, by reading

Dan Jurafsky
ACL 2020 General Chair
July 2020

Message from the Program Chairs

Welcome to the 58th Annual Meeting of the Association for Computational Linguistics! ACL 2020 has a special historical significance as this is a particularly exciting period for our field: our field has grown dramatically, NLP research is now ubiquitous in products, and the barrier to entry to the field has lowered considerably. Finally, ACL 2020 is the first ever virtual conference in the community's history. As the world combats the COVID-19 pandemic we are very grateful for all of your support and contributions which make ACL 2020 exciting and memorable.

ACL 2020 received 3,429 submissions–an all-time record for ACL-related conferences! This number represents more than a two-fold increase in submissions from just two years ago. The submissions were assigned to one of 25 topic tracks. This year, we introduced four new tracks: (1) **Ethics and NLP**. Research to assess the associated ethical assumptions and consequences of our NLP applications is crucial as these NLP applications become more and more pervasive and impactful in our society. (2) **Interpretation and Analysis of Models for NLP**. As the community strives to push performance boundaries, understanding behaviors of state-of-the-art models becomes critical. (3) **Theory and Formalism (Linguistic and Mathematical)**. The creation of this track reflects that theoretical research in NLP belongs at ACL and ensures a group of dedicated reviewers for the fair assessment of theory papers. (4) **Theme: Taking Stock of Where We've Been and Where We're Going**. The last few years have witnessed unprecedented growth since the field began over sixty years ago. This track is designed to invite submissions that can provide insight for the community to assess how much we have accomplished today with respect to the past and where the field should be heading.

To meet the reviewer demands of a growing conference without compromising review quality, we initiated a large-scale reviewer recruiting effort. All authors, except for those who explicitly chose to opt-out due to various reasons, were required to review if called upon. We asked all authors to fill out both a global profile and a local profile form that would allow the review system to best detect conflicts of interest (COIs) and to match submissions to reviewers. We thank the overwhelming support from the community. This effort led to a pool of more than 11K candidate reviewers, from which 2,519 primary reviewers were called upon and participated in the review process. Together with Senior Area Chairs (SACs), Area Chairs (ACs), primary reviewers, and secondary reviewers, we have the largest ever program committee in the history of ACL with 3319 members, marking a 47% increase over ACL 2019 (2,256 members).

In addition, we launched a new pilot mentoring program. It is of central importance for our community to mentor and train our new reviewers in order to keep up with the community's rapid growth, both in terms of submissions and in terms of new members of the community, and in order to maintain review quality. In this mentoring program, we pair Area Chairs with mentees (often a Ph.D. student, or a junior researcher who has just graduated) during the review process. The goal is to provide mentoring to new reviewers. The response was very positive. Over 280 ACs and 290 junior reviewers participated in the program. The results of this pilot will inform ACL on constructing more scalable mentoring efforts in the future.

After the review process, 779 papers were accepted which includes 571 long papers and 208 short papers. The acceptance rate is 22.7% based on 3,429 submissions.[1] As in previous years, the acceptance rate for long papers is higher than that for short papers (25.4% vs. 17.6%). Overall, ACL continues to be a highly competitive conference. From the accepted papers, and based on the nominations from Senior Area Chairs, five award-winning papers were selected by a best paper committee, including one best paper and one best theme paper.

Continuing the tradition, ACL 2020 will also feature 31 papers that were published at *Transactions of the*

[1] Removing the 29 desk rejects and 312 withdrawals, the acceptance rate becomes 25.2%

Association for Computational Linguistics (TACL) and, for the first time in ACL history, 7 papers from the journal of *Computational Linguistics* (CL). Another highlight of our program is the two exciting keynote talks: one by Professor Kathleen McKeown from Columbia University, and the other one by Professor Josh Tenenbaum from MIT.

Putting together a program for the virtual conference is a new challenge this year. We are fortunate that we were able to learn a lot from ICLR which had a virtual meeting ahead of us. One main issue was making the program accessible to attendees/authors from different time zones. Inspired by the ICLR model, we structured the program with pre-recorded video presentations and live Q&A sessions for individual papers. We thank the authors for providing us their time-slot preferences in a timely manner. Our plenary sessions include live-streamed keynote talks and Q&As, award ceremonies, and business meetings.

ACL 2020 would not be possible without the support from the community. There are many people we would like to thank for their significant contributions!

- Our awesome 40 Senior Area Chairs who were instrumental in every aspect of the review process. For many of them, the scope of their responsibilities was equivalent to chairing a mini-conference. We could always count on them for their input to final decisions, selection of best papers, and outstanding reviewers.
- The 299 Area Chairs who led paper review discussions, wrote meta-reviews, and mentored junior reviewers.
- Our 2,519 primary reviewers and 458 secondary reviewers who provided valuable feedback to the authors. Special thanks to those who stepped in at the last minute to serve as emergency reviewers.
- Our fantastic Best Paper Committee: Christy Doran (chair), Chris Callison-Burch, Yvette Graham, Julia Hirschberg, Rebecca Hwa, Min Yen Kan, Emily Pitler, Dragomir Radev, Philip Resnik, and Yulia Tsvetkov for selecting five award-winning papers under a tight schedule.
- ACL Executive Review Committee. In particular, Amanda Stent and Arya McCarthy for making the COI detection software available and Graham Neubig for the automatic reviewer-paper assignment software. These tools were instrumental in assigning papers to reviewers.
- Our student assistants Shane Storks, Sayan Gosh, Tianchun Huang, Sky Wang, and Tianrong Zhang who helped check the compliance of every single submission.
- Our 7,711 authors who submitted their work for review at ACL 2020. Although we were only able to accept a fraction of the submissions, their hard work makes this conference exciting and our community strong.
- TACL editors-in-chief Mark Johnson, Ani Nenkova, and Brian Roark, TACL Editorial Assistant Cindy Robinson, and CL Editor-in-Chief Hwee Tou Ng for coordinating TACL and CL presentations with us.
- The Program co-Chairs of ACL 2019, Anna Korhonen and David Traum; of NAACL 2019, Christy Doran and Thamar Solorio; of EMNLP 2019, Jing Jiang, Vincent Ng, and Xiaojun Wan for generously sharing their experience, documentation, and advice in organizing ACL conferences and for answering our questions, often on short notice.
- Our Publication Chairs, Steven Bethard, Ryan Cotterell, and Rui Yan, for a smooth transition to the production of the final proceedings.
- Matt Post, the ACL Anthology Director, for his always fast response to our questions.

- Our Publicity Chair, Emily Bender, and our Web Chairs, Sudha Rao and Yizhe Zhang, for effectively communicating conference updates and other useful information.
- Infrastructure Chairs, Hao Feng and Sudha Rao, for taking a heavy load of moving our program online; and Hamid Palangi and Lianhui Qin for coordinating presentations with SlideLive.
- Rich Gerber at SoftConf, who was always quick to respond to our emails and resolve any difficulties we encountered with the START system.
- Priscilla Rasmussen for helpful discussion and insight into organizing an ACL at this scale.
- ICLR chairs, especially Alexander Rush, Shakir Mohamed, and Kyunghyun Cho, for sharing with us many invaluable tips for running a virtual conference.
- ACL Executive Committee, especially Hinrich Schütze, the ACL president, and Barbara Di Eugenio, the liaison for conferences to help us sort through policy issues.
- Our students, interns, postdocs, colleagues, and families. Sorry for ignoring you the past year. We're back!
- And last but not least, our General Chair Dan Jurafsky. He has been open-minded and supportive, giving us the flexibility to innovate while providing an invaluable sounding board, and of course, successfully led the massive turn-around of ACL as a physical conference into a virtual one in just a few short months.

Our deepest gratitude to all of you. We hope you will enjoy this new conference experience.

Joyce Chai, University of Michigan
Natalie Schluter, Google Brain and IT University of Copenhagen
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Table of Contents

Learning to Understand Child-directed and Adult-directed Speech
Lieke Gelderloos, Grzegorz Chrupała and Afra Alishahi 1

Predicting Depression in Screening Interviews from Latent Categorization of Interview Prompts
Alex Rinaldi, Jean Fox Tree and Snigdha Chaturvedi 7

Coach: A Coarse-to-Fine Approach for Cross-domain Slot Filling
Zihan Liu, Genta Indra Winata, Peng Xu and Pascale Fung 19

Designing Precise and Robust Dialogue Response Evaluators
Tianyu Zhao, Divesh Lala and Tatsuya Kawahara 26

Dialogue State Tracking with Explicit Slot Connection Modeling
Yawen Ouyang, Moxin Chen, Xinyu Dai, Yinggong Zhao, Shujian Huang and Jiajun CHEN . . . 34

Generating Informative Conversational Response using Recurrent Knowledge-Interaction and Knowledge-Copy
Xiexiong Lin, Weiyu Jian, Jianshan He, Taifeng Wang and Wei Chu 41

Guiding Variational Response Generator to Exploit Persona
Bowen Wu, MengYuan Li, Zongsheng Wang, Yifu Chen, Derek F. Wong, qihang feng, Junhong Huang and Baoxun Wang 53

Large Scale Multi-Actor Generative Dialog Modeling
Alex Boyd, Raul Puri, Mohammad Shoeybi, Mostofa Patwary and Bryan Catanzaro 66

PLATO: Pre-trained Dialogue Generation Model with Discrete Latent Variable
Siqi Bao, Huang He, Fan Wang, Hua Wu and Haifeng Wang 85

Slot-consistent NLG for Task-oriented Dialogue Systems with Iterative Rectification Network
Yangming Li, Kaisheng Yao, Libo Qin, Wanxiang Che, Xiaolong Li and Ting Liu 97

Span-ConveRT: Few-shot Span Extraction for Dialog with Pretrained Conversational Representations
Samuel Coope, Tyler Farghly, Daniela Gerz, Ivan Vulić and Matthew Henderson 107

Zero-Shot Transfer Learning with Synthesized Data for Multi-Domain Dialogue State Tracking
Giovanni Campagna, Agata Foryciarz, Mehrad Moradshahi and Monica Lam 122

A Complete Shift-Reduce Chinese Discourse Parser with Robust Dynamic Oracle
Shyh-Shiun Hung, Hen-Hsen Huang and Hsin-Hsi Chen 133

TransS-Driven Joint Learning Architecture for Implicit Discourse Relation Recognition
Ruifang He, Jian Wang, Fengyu Guo and Yugui Han 139

A Study of Non-autoregressive Model for Sequence Generation
Yi Ren, Jinglin Liu, Xu Tan, Zhou Zhao, sheng zhao and Tie-Yan Liu 149

Cross-modal Language Generation using Pivot Stabilization for Web-scale Language Coverage
Ashish V. Thapliyal and Radu Soricut 160

Fact-based Text Editing
Hayate Iso, Chao Qiao and Hang Li 171

Few-Shot NLG with Pre-Trained Language Model
Zhiyu Chen, Harini Eavani, Wenhu Chen, Yinyin Liu and William Yang Wang 183

Fluent Response Generation for Conversational Question Answering
Ashutosh Baheti, Alan Ritter and Kevin Small 191

Generating Diverse and Consistent QA pairs from Contexts with Information-Maximizing Hierarchical Conditional VAEs
Dong Bok Lee, Seanie Lee, Woo Tae Jeong, Donghwan Kim and Sung Ju Hwang 208

Learning to Ask More: Semi-Autoregressive Sequential Question Generation under Dual-Graph Interaction
Zi Chai and Xiaojun Wan 225

Neural Syntactic Preordering for Controlled Paraphrase Generation
Tanya Goyal and Greg Durrett 238

Pre-train and Plug-in: Flexible Conditional Text Generation with Variational Auto-Encoders
Yu Duan, Canwen Xu, Jiaxin Pei, Jialong Han and Chenliang Li 253

Probabilistically Masked Language Model Capable of Autoregressive Generation in Arbitrary Word Order
Yi Liao, Xin Jiang and Qun Liu 263

Reverse Engineering Configurations of Neural Text Generation Models
Yi Tay, Dara Bahri, Che Zheng, Clifford Brunk, Donald Metzler and Andrew Tomkins 275

Review-based Question Generation with Adaptive Instance Transfer and Augmentation
Qian Yu, Lidong Bing, Qiong Zhang, Wai Lam and Luo Si 280

TAG : Type Auxiliary Guiding for Code Comment Generation
Ruichu Cai, Zhihao Liang, Boyan Xu, zijian li, Yuexing Hao and Yao Chen 291

Unsupervised Paraphrasing by Simulated Annealing
Xianggen Liu, Lili Mou, Fandong Meng, Hao Zhou, Jie Zhou and Sen Song 302

A Joint Model for Document Segmentation and Segment Labeling
Joe Barrow, Rajiv Jain, Vlad Morariu, Varun Manjunatha, Douglas Oard and Philip Resnik . . . 313

Contextualized Weak Supervision for Text Classification
Dheeraj Mekala and Jingbo Shang 323

Every Document Owns Its Structure: Inductive Text Classification via Graph Neural Networks
Yufeng Zhang, Xueli Yu, Zeyu Cui, Shu Wu, Zhongzhen Wen and Liang Wang 334

Neural Topic Modeling with Bidirectional Adversarial Training
Rui Wang, Xuemeng Hu, Deyu Zhou, Yulan He, Yuxuan Xiong, Chenchen Ye and Haiyang Xu 340

Text Classification with Negative Supervision
Sora Ohashi, Junya Takayama, Tomoyuki Kajiwara, Chenhui Chu and Yuki Arase 351

Content Word Aware Neural Machine Translation
Kehai Chen, Rui Wang, Masao Utiyama and Eiichiro Sumita 358

Evaluating Explanation Methods for Neural Machine Translation
Jierui Li, Lemao Liu, Huayang Li, Guanlin Li, Guoping Huang and Shuming Shi 365

Jointly Masked Sequence-to-Sequence Model for Non-Autoregressive Neural Machine Translation
Junliang Guo, Linli Xu and Enhong Chen 376

Learning Source Phrase Representations for Neural Machine Translation
Hongfei Xu, Josef van Genabith, Deyi Xiong, Qiuhui Liu and Jingyi Zhang 386

Lipschitz Constrained Parameter Initialization for Deep Transformers
Hongfei Xu, Qiuhui Liu, Josef van Genabith, Deyi Xiong and Jingyi Zhang 397

Location Attention for Extrapolation to Longer Sequences
Yann Dubois, Gautier Dagan, Dieuwke Hupkes and Elia Bruni 403

Multiscale Collaborative Deep Models for Neural Machine Translation
Xiangpeng Wei, Heng Yu, Yue Hu, Yue Zhang, Rongxiang Weng and Weihua Luo 414

Norm-Based Curriculum Learning for Neural Machine Translation
Xuebo Liu, Houtim Lai, Derek F. Wong and Lidia S. Chao 427

Opportunistic Decoding with Timely Correction for Simultaneous Translation
Renjie Zheng, Mingbo Ma, Baigong Zheng, Kaibo Liu and Liang Huang 437

A Formal Hierarchy of RNN Architectures
William Merrill, Gail Weiss, Yoav Goldberg, Roy Schwartz, Noah A. Smith and Eran Yahav . . 443

A Three-Parameter Rank-Frequency Relation in Natural Languages
Chenchen Ding, Masao Utiyama and Eiichiro Sumita 460

Dice Loss for Data-imbalanced NLP Tasks
Xiaoya Li, Xiaofei Sun, Yuxian Meng, Junjun Liang, Fei Wu and Jiwei Li 465

Emergence of Syntax Needs Minimal Supervision
Raphaël Bailly and Kata Gábor 477

Language Models as an Alternative Evaluator of Word Order Hypotheses: A Case Study in Japanese
Tatsuki Kuribayashi, Takumi Ito, Jun Suzuki and Kentaro Inui 488

GCAN: Graph-aware Co-Attention Networks for Explainable Fake News Detection on Social Media
Yi-Ju Lu and Cheng-Te Li 505

Integrating Semantic and Structural Information with Graph Convolutional Network for Controversy Detection
Lei Zhong, Juan Cao, Qiang Sheng, Junbo Guo and Ziang Wang 515

Predicting the Topical Stance and Political Leaning of Media using Tweets
Peter Stefanov, Kareem Darwish, Atanas Atanasov and Preslav Nakov 527

Simple, Interpretable and Stable Method for Detecting Words with Usage Change across Corpora
Hila Gonen, Ganesh Jawahar, Djamé Seddah and Yoav Goldberg 538

CDL: Curriculum Dual Learning for Emotion-Controllable Response Generation
Lei Shen and Yang Feng 556

Efficient Dialogue State Tracking by Selectively Overwriting Memory
Sungdong Kim, Sohee Yang, Gyuwan Kim and Sang-Woo Lee 567

End-to-End Neural Pipeline for Goal-Oriented Dialogue Systems using GPT-2
Donghoon Ham, Jeong-Gwan Lee, Youngsoo Jang and Kee-Eung Kim 583

Evaluating Dialogue Generation Systems via Response Selection
Shiki Sato, Reina Akama, Hiroki Ouchi, Jun Suzuki and Kentaro Inui 593

Gated Convolutional Bidirectional Attention-based Model for Off-topic Spoken Response Detection
Yefei Zha, Ruobing Li and Hui Lin 600

Learning Low-Resource End-To-End Goal-Oriented Dialog for Fast and Reliable System Deployment
Yinpei Dai, Hangyu Li, Chengguang Tang, Yongbin Li, Jian Sun and Xiaodan Zhu 609

Learning to Tag OOV Tokens by Integrating Contextual Representation and Background Knowledge
Keqing He, Yuanmeng Yan and Weiran XU 619

Multi-Agent Task-Oriented Dialog Policy Learning with Role-Aware Reward Decomposition
Ryuichi Takanobu, Runze Liang and Minlie Huang 625

Paraphrase Augmented Task-Oriented Dialog Generation
Silin Gao, Yichi Zhang, Zhijian Ou and Zhou Yu 639

Response-Anticipated Memory for On-Demand Knowledge Integration in Response Generation
Zhiliang Tian, Wei Bi, Dongkyu Lee, Lanqing Xue, YIPING SONG, Xiaojiang Liu and Nevin L. Zhang 650

Semi-Supervised Dialogue Policy Learning via Stochastic Reward Estimation
Xinting Huang, Jianzhong Qi, Yu Sun and Rui Zhang 660

Towards Unsupervised Language Understanding and Generation by Joint Dual Learning
Shang-Yu Su, Chao-Wei Huang and Yun-Nung Chen 671

USR: An Unsupervised and Reference Free Evaluation Metric for Dialog Generation
Shikib Mehri and Maxine Eskenazi 681

Explicit Semantic Decomposition for Definition Generation
Jiahuan Li, Yu Bao, Shujian Huang, Xinyu Dai and Jiajun CHEN 708

Improved Natural Language Generation via Loss Truncation
Daniel Kang and Tatsunori Hashimoto 718

Line Graph Enhanced AMR-to-Text Generation with Mix-Order Graph Attention Networks
Yanbin Zhao, Lu Chen, Zhi Chen, Ruisheng Cao, Su Zhu and Kai Yu 732

Rigid Formats Controlled Text Generation
Piji Li, Haisong Zhang, Xiaojiang Liu and Shuming Shi 742

Syn-QG: Syntactic and Shallow Semantic Rules for Question Generation
Kaustubh Dhole and Christopher D. Manning 752

An Online Semantic-enhanced Dirichlet Model for Short Text Stream Clustering
Jay Kumar, Junming Shao, Salah Uddin and Wazir Ali 766

Generative Semantic Hashing Enhanced via Boltzmann Machines
Lin Zheng, Qinliang Su, Dinghan Shen and Changyou Chen 777

Interactive Construction of User-Centric Dictionary for Text Analytics
Ryosuke Kohita, Issei Yoshida, Hiroshi Kanayama and Tetsuya Nasukawa 789

Tree-Structured Neural Topic Model
Masaru Isonuma, Junichiro Mori, Danushka Bollegala and Ichiro Sakata 800

Unsupervised FAQ Retrieval with Question Generation and BERT
Yosi Mass, Boaz Carmeli, Haggai Roitman and David Konopnicki 807

"The Boating Store Had Its Best Sail Ever": Pronunciation-attentive Contextualized Pun Recognition
Yichao Zhou, Jyun-Yu Jiang, Jieyu Zhao, Kai-Wei Chang and Wei Wang 813

Fast and Accurate Deep Bidirectional Language Representations for Unsupervised Learning
Joongbo Shin, Yoonhyung Lee, Seunghyun Yoon and Kyomin Jung 823

Fine-grained Interest Matching for Neural News Recommendation
Heyuan Wang, Fangzhao Wu, Zheng Liu and Xing Xie 836

Interpretable Operational Risk Classification with Semi-Supervised Variational Autoencoder
Fan Zhou, Shengming Zhang and Yi Yang 846

Interpreting Twitter User Geolocation
Ting Zhong, Tianliang Wang, Fan Zhou, Goce Trajcevski, Kunpeng Zhang and Yi Yang 853

Modeling Code-Switch Languages Using Bilingual Parallel Corpus
Grandee Lee and Haizhou Li 860

SpellGCN: Incorporating Phonological and Visual Similarities into Language Models for Chinese Spelling Check
Xingyi Cheng, Weidi Xu, Kunlong Chen, Shaohua Jiang, Feng Wang, Taifeng Wang, Wei Chu and Yuan Qi 871

Spelling Error Correction with Soft-Masked BERT
Shaohua Zhang, Haoran Huang, Jicong Liu and Hang Li 882

A Frame-based Sentence Representation for Machine Reading Comprehension
Shaoru Guo, Ru Li, Hongye Tan, Xiaoli Li, Yong Guan, Hongyan Zhao and Yueping Zhang . . 891

A Methodology for Creating Question Answering Corpora Using Inverse Data Annotation
Jan Deriu, Katsiaryna Mlynchyk, Philippe Schläpfer, Alvaro Rodrigo, Dirk von Grünigen, Nicolas Kaiser, Kurt Stockinger, Eneko Agirre and Mark Cieliebak 897

Contextualized Sparse Representations for Real-Time Open-Domain Question Answering
Jinhyuk Lee, Minjoon Seo, Hannaneh Hajishirzi and Jaewoo Kang 912

Dynamic Sampling Strategies for Multi-Task Reading Comprehension
Ananth Gottumukkala, Dheeru Dua, Sameer Singh and Matt Gardner 920

Enhancing Answer Boundary Detection for Multilingual Machine Reading Comprehension
Fei Yuan, Linjun Shou, Xuanyu Bai, Ming Gong, Yaobo Liang, Nan Duan, Yan Fu and Daxin Jiang 925

Explicit Memory Tracker with Coarse-to-Fine Reasoning for Conversational Machine Reading
Yifan Gao, Chien-Sheng Wu, Shafiq Joty, Caiming Xiong, Richard Socher, Irwin King, Michael Lyu and Steven C.H. Hoi 935

Injecting Numerical Reasoning Skills into Language Models
Mor Geva, Ankit Gupta and Jonathan Berant 946

Learning to Identify Follow-Up Questions in Conversational Question Answering
Souvik Kundu, Qian Lin and Hwee Tou Ng 959

Query Graph Generation for Answering Multi-hop Complex Questions from Knowledge Bases
Yunshi Lan and Jing Jiang 969

A Diverse Corpus for Evaluating and Developing English Math Word Problem Solvers
Shen-yun Miao, Chao-Chun Liang and Keh-Yih Su 975

Improving Image Captioning Evaluation by Considering Inter References Variance
Yanzhi Yi, Hangyu Deng and Jinglu Hu 985

Revisiting the Context Window for Cross-lingual Word Embeddings
Ryokan Ri and Yoshimasa Tsuruoka 995

Moving Down the Long Tail of Word Sense Disambiguation with Gloss Informed Bi-encoders
Terra Blevins and Luke Zettlemoyer 1006

Code-Switching Patterns Can Be an Effective Route to Improve Performance of Downstream NLP Applications: A Case Study of Humour, Sarcasm and Hate Speech Detection
Srijan Bansal, Vishal Garimella, Ayush Suhane, Jasabanta Patro and Animesh Mukherjee 1018

DTCA: Decision Tree-based Co-Attention Networks for Explainable Claim Verification
Lianwei Wu, Yuan Rao, yongqiang zhao, Hao Liang and Ambreen Nazir 1024

Towards Conversational Recommendation over Multi-Type Dialogs
Zeming Liu, Haifeng Wang, Zheng-Yu Niu, Hua Wu, Wanxiang Che and Ting Liu 1036

Unknown Intent Detection Using Gaussian Mixture Model with an Application to Zero-shot Intent Classification
Guangfeng Yan, Lu Fan, Qimai Li, Han Liu, Xiaotong Zhang, Xiao-Ming Wu and Albert Y.S. Lam 1050

Expertise Style Transfer: A New Task Towards Better Communication between Experts and Laymen
Yixin Cao, Ruihao Shui, Liangming Pan, Min-Yen Kan, Zhiyuan Liu and Tat-Seng Chua 1061

Towards Faithful Neural Table-to-Text Generation with Content-Matching Constraints
Zhenyi Wang, Xiaoyang Wang, Bang An, Dong Yu and Changyou Chen 1072

Dynamic Memory Induction Networks for Few-Shot Text Classification
Ruiying Geng, Binhua Li, Yongbin Li, Jian Sun and Xiaodan Zhu 1087

Exclusive Hierarchical Decoding for Deep Keyphrase Generation
Wang Chen, Hou Pong Chan, Piji Li and Irwin King 1095

Hierarchy-Aware Global Model for Hierarchical Text Classification
Jie Zhou, Chunping Ma, Dingkun Long, Guangwei Xu, Ning Ding, Haoyu Zhang, Pengjun Xie and Gongshen Liu 1106

Keyphrase Generation for Scientific Document Retrieval
Florian Boudin, Ygor Gallina and Akiko Aizawa 1118

A Graph Auto-encoder Model of Derivational Morphology
Valentin Hofmann, Hinrich Schütze and Janet Pierrehumbert 1127

Building a User-Generated Content North-African Arabizi Treebank: Tackling Hell
Djamé Seddah, Farah Essaidi, Amal Fethi, Matthieu Futeral, Benjamin Muller, Pedro Javier Ortiz Suárez, Benoît Sagot and Abhishek Srivastava 1139

Crawling and Preprocessing Mailing Lists At Scale for Dialog Analysis
Janek Bevendorff, Khalid Al Khatib, Martin Potthast and Benno Stein 1151

Fine-Grained Analysis of Cross-Linguistic Syntactic Divergences
Dmitry Nikolaev, Ofir Arviv, Taelin Karidi, Neta Kenneth, Veronika Mitnik, Lilja Maria Saeboe and Omri Abend 1159

Generating Counter Narratives against Online Hate Speech: Data and Strategies
Serra Sinem Tekiroğlu, Yi-Ling Chung and Marco Guerini 1177

KLEJ: Comprehensive Benchmark for Polish Language Understanding
Piotr Rybak, Robert Mroczkowski, Janusz Tracz and Ireneusz Gawlik 1191

Learning and Evaluating Emotion Lexicons for 91 Languages
Sven Buechel, Susanna Rücker and Udo Hahn 1202

Multi-Hypothesis Machine Translation Evaluation
Marina Fomicheva, Lucia Specia and Francisco Guzmán 1218

Multimodal Quality Estimation for Machine Translation
Shu Okabe, Frédéric Blain and Lucia Specia 1233

PuzzLing Machines: A Challenge on Learning From Small Data
Gözde Gül Şahin, Yova Kementchedjhieva, Phillip Rust and Iryna Gurevych 1241

The SOFC-Exp Corpus and Neural Approaches to Information Extraction in the Materials Science Domain
Annemarie Friedrich, Heike Adel, Federico Tomazic, Johannes Hingerl, Renou Benteau, Anika Marusczyk and Lukas Lange 1255

The TechQA Dataset
Vittorio Castelli, Rishav Chakravarti, Saswati Dana, Anthony Ferritto, Radu Florian, Martin Franz, Dinesh Garg, Dinesh Khandelwal, Scott McCarley, Michael McCawley, Mohamed Nasr, Lin Pan, Cezar Pendus, John Pitrelli, Saurabh Pujar, Salim Roukos, Andrzej Sakrajda, Avi Sil, Rosario Uceda-Sosa, Todd Ward and Rong Zhang 1269

iSarcasm: A Dataset of Intended Sarcasm
Silviu Oprea and Walid Magdy 1279

AMR Parsing via Graph-Sequence Iterative Inference
Deng Cai and Wai Lam 1290

A Large-Scale Multi-Document Summarization Dataset from the Wikipedia Current Events Portal
Demian Gholipour Ghalandari, Chris Hokamp, Nghia The Pham, John Glover and Georgiana Ifrim 1302

Attend, Translate and Summarize: An Efficient Method for Neural Cross-Lingual Summarization
Junnan Zhu, Yu Zhou, Jiajun Zhang and Chengqing Zong 1309

Examining the State-of-the-Art in News Timeline Summarization
Demian Gholipour Ghalandari and Georgiana Ifrim 1322

Improving Truthfulness of Headline Generation
Kazuki Matsumaru, Sho Takase and Naoaki Okazaki 1335

SUPERT: Towards New Frontiers in Unsupervised Evaluation Metrics for Multi-Document Summarization
Yang Gao, Wei Zhao and Steffen Eger 1347

Self-Attention Guided Copy Mechanism for Abstractive Summarization
Song Xu, Haoran Li, Peng Yuan, Youzheng Wu, Xiaodong He and Bowen Zhou 1355

Beyond User Self-Reported Likert Scale Ratings: A Comparison Model for Automatic Dialog Evaluation
Weixin Liang, James Zou and Zhou Yu 1363

Conversational Word Embedding for Retrieval-Based Dialog System
Wentao Ma, Yiming Cui, Ting Liu, Dong Wang, Shijin Wang and Guoping Hu 1375

Few-shot Slot Tagging with Collapsed Dependency Transfer and Label-enhanced Task-adaptive Projection Network
Yutai Hou, Wanxiang Che, Yongkui Lai, Zhihan Zhou, Yijia Liu, Han Liu and Ting Liu 1381

Learning Dialog Policies from Weak Demonstrations
Gabriel Gordon-Hall, Philip John Gorinski and Shay B. Cohen 1394

MuTual: A Dataset for Multi-Turn Dialogue Reasoning
Leyang Cui, Yu Wu, Shujie Liu, Yue Zhang and Ming Zhou 1406

You Impress Me: Dialogue Generation via Mutual Persona Perception
Qian Liu, Yihong Chen, Bei Chen, Jian-Guang LOU, Zixuan Chen, Bin Zhou and Dongmei Zhang 1417

Bridging Anaphora Resolution as Question Answering
Yufang Hou 1428

Dialogue Coherence Assessment Without Explicit Dialogue Act Labels
Mohsen Mesgar, Sebastian Bücker and Iryna Gurevych 1439

Fast and Accurate Non-Projective Dependency Tree Linearization
Xiang Yu, Simon Tannert, Ngoc Thang Vu and Jonas Kuhn 1451

Semantic Graphs for Generating Deep Questions
Liangming Pan, Yuxi Xie, Yansong Feng, Tat-Seng Chua and Min-Yen Kan 1463

A Novel Cascade Binary Tagging Framework for Relational Triple Extraction
Zhepei Wei, Jianlin Su, Yue Wang, Yuan Tian and Yi Chang 1476

In Layman's Terms: Semi-Open Relation Extraction from Scientific Texts
Ruben Kruiper, Julian Vincent, Jessica Chen-Burger, Marc Desmulliez and Ioannis Konstas . . 1489

NAT: Noise-Aware Training for Robust Neural Sequence Labeling
Marcin Namysl, Sven Behnke and Joachim Köhler 1501

Named Entity Recognition without Labelled Data: A Weak Supervision Approach
Pierre Lison, Jeremy Barnes, Aliaksandr Hubin and Samia Touileb 1518

Probing Linguistic Features of Sentence-Level Representations in Relation Extraction
Christoph Alt, Aleksandra Gabryszak and Leonhard Hennig 1534

Reasoning with Latent Structure Refinement for Document-Level Relation Extraction
Guoshun Nan, Zhijiang Guo, Ivan Sekulic and Wei Lu 1546

TACRED Revisited: A Thorough Evaluation of the TACRED Relation Extraction Task
Christoph Alt, Aleksandra Gabryszak and Leonhard Hennig 1558

Bilingual Dictionary Based Neural Machine Translation without Using Parallel Sentences
Xiangyu Duan, Baijun Ji, Hao Jia, Min Tan, Min Zhang, Boxing Chen, Weihua Luo and Yue Zhang 1570

Boosting Neural Machine Translation with Similar Translations
Jitao XU, Josep Crego and Jean Senellart 1580

Character-Level Translation with Self-attention
Yingqiang Gao, Nikola I. Nikolov, Yuhuang Hu and Richard H.R. Hahnloser 1591

End-to-End Neural Word Alignment Outperforms GIZA++
Thomas Zenkel, Joern Wuebker and John DeNero 1605

Enhancing Machine Translation with Dependency-Aware Self-Attention
Emanuele Bugliarello and Naoaki Okazaki 1618

Improving Massively Multilingual Neural Machine Translation and Zero-Shot Translation
Biao Zhang, Philip Williams, Ivan Titov and Rico Sennrich 1628

It's Easier to Translate out of English than into it: Measuring Neural Translation Difficulty by Cross-Mutual Information
Emanuele Bugliarello, Sabrina J. Mielke, Antonios Anastasopoulos, Ryan Cotterell and Naoaki Okazaki 1640

Language-aware Interlingua for Multilingual Neural Machine Translation
Changfeng Zhu, Heng Yu, Shanbo Cheng and Weihua Luo 1650

On the Limitations of Cross-lingual Encoders as Exposed by Reference-Free Machine Translation Evaluation
Wei Zhao, Goran Glavaš, Maxime Peyrard, Yang Gao, Robert West and Steffen Eger 1656

Parallel Sentence Mining by Constrained Decoding
Pinzhen Chen, Nikolay Bogoychev, Kenneth Heafield and Faheem Kirefu 1672

Self-Attention with Cross-Lingual Position Representation
Liang Ding, Longyue Wang and Dacheng Tao 1679

"You Sound Just Like Your Father" Commercial Machine Translation Systems Include Stylistic Biases
Dirk Hovy, Federico Bianchi and Tommaso Fornaciari 1686

MMPE: A Multi-Modal Interface for Post-Editing Machine Translation
Nico Herbig, Tim Düwel, Santanu Pal, Kalliopi Meladaki, Mahsa Monshizadeh, Antonio Krüger and Josef van Genabith 1691

A Monolingual Approach to Contextualized Word Embeddings for Mid-Resource Languages
Pedro Javier Ortiz Suárez, Laurent Romary and Benoît Sagot 1703

Will-They-Won't-They: A Very Large Dataset for Stance Detection on Twitter
Costanza Conforti, Jakob Berndt, Mohammad Taher Pilehvar, Chryssi Giannitsarou, Flavio Toxvaerd and Nigel Collier 1715

A Systematic Assessment of Syntactic Generalization in Neural Language Models
Jennifer Hu, Jon Gauthier, Peng Qian, Ethan Wilcox and Roger Levy 1725

Inflecting When There's No Majority: Limitations of Encoder-Decoder Neural Networks as Cognitive Models for German Plurals
Kate McCurdy, Sharon Goldwater and Adam Lopez 1745

Overestimation of Syntactic Representation in Neural Language Models
Jordan Kodner and Nitish Gupta 1757

Suspense in Short Stories is Predicted By Uncertainty Reduction over Neural Story Representation
David Wilmot and Frank Keller 1763

You Don't Have Time to Read This: An Exploration of Document Reading Time Prediction
Orion Weller, Jordan Hildebrandt, Ilya Reznik, Christopher Challis, E. Shannon Tass, Quinn Snell and Kevin Seppi 1789

A Generative Model for Joint Natural Language Understanding and Generation
Bo-Hsiang Tseng, Jianpeng Cheng, Yimai Fang and David Vandyke 1795

Automatic Detection of Generated Text is Easiest when Humans are Fooled
Daphne Ippolito, Daniel Duckworth, Chris Callison-Burch and Douglas Eck 1808

Multi-Domain Neural Machine Translation with Word-Level Adaptive Layer-wise Domain Mixing
Haoming Jiang, Chen Liang, Chong Wang and Tuo Zhao 1823

Conversational Graph Grounded Policy Learning for Open-Domain Conversation Generation
Jun Xu, Haifeng Wang, Zheng-Yu Niu, Hua Wu, Wanxiang Che and Ting Liu 1835

GPT-too: A Language-Model-First Approach for AMR-to-Text Generation
Manuel Mager, Ramón Fernandez Astudillo, Tahira Naseem, Md Arafat Sultan, Young-Suk Lee, Radu Florian and Salim Roukos 1846

Learning to Update Natural Language Comments Based on Code Changes
Sheena Panthaplackel, Pengyu Nie, Milos Gligoric, Junyi Jessy Li and Raymond Mooney . . . 1853

Politeness Transfer: A Tag and Generate Approach
Aman Madaan, Amrith Setlur, Tanmay Parekh, Barnabas Poczos, Graham Neubig, Yiming Yang, Ruslan Salakhutdinov, Alan W Black and Shrimai Prabhumoye 1869

BPE-Dropout: Simple and Effective Subword Regularization
Ivan Provilkov, Dmitrii Emelianenko and Elena Voita 1882

Improving Non-autoregressive Neural Machine Translation with Monolingual Data
Jiawei Zhou and Phillip Keung 1893

Attend to Medical Ontologies: Content Selection for Clinical Abstractive Summarization
Sajad Sotudeh Gharebagh, Nazli Goharian and Ross Filice 1899

On Faithfulness and Factuality in Abstractive Summarization
Joshua Maynez, Shashi Narayan, Bernd Bohnet and Ryan McDonald 1906

Screenplay Summarization Using Latent Narrative Structure
Pinelopi Papalampidi, Frank Keller, Lea Frermann and Mirella Lapata 1920

Unsupervised Opinion Summarization with Noising and Denoising
Reinald Kim Amplayo and Mirella Lapata 1934

A Tale of Two Perplexities: Sensitivity of Neural Language Models to Lexical Retrieval Deficits in Dementia of the Alzheimer's Type
Trevor Cohen and Serguei Pakhomov 1946

Probing Linguistic Systematicity
Emily Goodwin, Koustuv Sinha and Timothy J. O'Donnell 1958

Recollection versus Imagination: Exploring Human Memory and Cognition via Neural Language Models
Maarten Sap, Eric horvitz, Yejin Choi, Noah A. Smith and James Pennebaker 1970

Recurrent Neural Network Language Models Always Learn English-Like Relative Clause Attachment
Forrest Davis and Marten van Schijndel 1979

Speakers enhance contextually confusable words
Eric Meinhardt, Eric Bakovic and Leon Bergen 1991

What determines the order of adjectives in English? Comparing efficiency-based theories using dependency treebanks
Richard Futrell, William Dyer and Greg Scontras 2003

"None of the Above": Measure Uncertainty in Dialog Response Retrieval
Yulan Feng, Shikib Mehri, Maxine Eskenazi and Tiancheng Zhao 2013

Can You Put it All Together: Evaluating Conversational Agents' Ability to Blend Skills
Eric Michael Smith, Mary Williamson, Kurt Shuster, Jason Weston and Y-Lan Boureau 2021

Grounded Conversation Generation as Guided Traverses in Commonsense Knowledge Graphs
Houyu Zhang, Zhenghao Liu, Chenyan Xiong and Zhiyuan Liu 2031

Negative Training for Neural Dialogue Response Generation
Tianxing He and James Glass 2044

Recursive Template-based Frame Generation for Task Oriented Dialog
Rashmi Gangadharaiah and Balakrishnan Narayanaswamy 2059

Speak to your Parser: Interactive Text-to-SQL with Natural Language Feedback
Ahmed Elgohary, saghar Hosseini and Ahmed Hassan Awadallah 2065

Calibrating Structured Output Predictors for Natural Language Processing
Abhyuday Jagannatha and hong yu 2078

Active Imitation Learning with Noisy Guidance
Kianté Brantley, Hal Daumé III and Amr Sharaf 2093

ExpBERT: Representation Engineering with Natural Language Explanations
Shikhar Murty, Pang Wei Koh and Percy Liang 2106

GAN-BERT: Generative Adversarial Learning for Robust Text Classification with a Bunch of Labeled Examples
Danilo Croce, Giuseppe Castellucci and Roberto Basili 2114

Generalizing Natural Language Analysis through Span-relation Representations
Zhengbao Jiang, Wei Xu, Jun Araki and Graham Neubig 2120

Learning to Contextually Aggregate Multi-Source Supervision for Sequence Labeling
Ouyu Lan, Xiao Huang, Bill Yuchen Lin, He Jiang, Liyuan Liu and Xiang Ren 2134

MixText: Linguistically-Informed Interpolation of Hidden Space for Semi-Supervised Text Classification
Jiaao Chen, Zichao Yang and Diyi Yang 2147

MobileBERT: a Compact Task-Agnostic BERT for Resource-Limited Devices
Zhiqing Sun, Hongkun Yu, Xiaodan Song, Renjie Liu, Yiming Yang and Denny Zhou 2158

On Importance Sampling-Based Evaluation of Latent Language Models
Robert L Logan IV, Matt Gardner and Sameer Singh 2171

SMART: Robust and Efficient Fine-Tuning for Pre-trained Natural Language Models through Principled Regularized Optimization
Haoming Jiang, Pengcheng He, Weizhu Chen, Xiaodong Liu, Jianfeng Gao and Tuo Zhao . . . 2177

Stolen Probability: A Structural Weakness of Neural Language Models
David Demeter, Gregory Kimmel and Doug Downey 2191

Taxonomy Construction of Unseen Domains via Graph-based Cross-Domain Knowledge Transfer
Chao Shang, Sarthak Dash, Md. Faisal Mahbub Chowdhury, Nandana Mihindukulasooriya and Alfio Gliozzo 2198

To Pretrain or Not to Pretrain: Examining the Benefits of Pretrainng on Resource Rich Tasks
Sinong Wang, Madian Khabsa and Hao Ma 2209

Why Overfitting Isn't Always Bad: Retrofitting Cross-Lingual Word Embeddings to Dictionaries
Mozhi Zhang, Yoshinari Fujinuma, Michael J. Paul and Jordan Boyd-Graber 2214

XtremeDistil: Multi-stage Distillation for Massive Multilingual Models
Subhabrata Mukherjee and Ahmed Hassan Awadallah 2221

A Girl Has A Name: Detecting Authorship Obfuscation
Asad Mahmood, Zubair Shafiq and Padmini Srinivasan 2235

DeeBERT: Dynamic Early Exiting for Accelerating BERT Inference
Ji Xin, Raphael Tang, Jaejun Lee, Yaoliang Yu and Jimmy Lin 2246

Efficient Strategies for Hierarchical Text Classification: External Knowledge and Auxiliary Tasks
Kervy Rivas Rojas, Gina Bustamante, Arturo Oncevay and Marco Antonio Sobrevilla Cabezudo 2252

Investigating the effect of auxiliary objectives for the automated grading of learner English speech transcriptions
Hannah Craighead, Andrew Caines, Paula Buttery and Helen Yannakoudakis 2258

SPECTER: Document-level Representation Learning using Citation-informed Transformers
Arman Cohan, Sergey Feldman, Iz Beltagy, Doug Downey and Daniel Weld 2270

Semantic Scaffolds for Pseudocode-to-Code Generation
Ruiqi Zhong, Mitchell Stern and Dan Klein 2283

Can We Predict New Facts with Open Knowledge Graph Embeddings? A Benchmark for Open Link Prediction
Samuel Broscheit, Kiril Gashteovski, Yanjie Wang and Rainer Gemulla 2296

INFOTABS: Inference on Tables as Semi-structured Data
Vivek Gupta, Maitrey Mehta, Pegah Nokhiz and Vivek Srikumar 2309

Interactive Machine Comprehension with Information Seeking Agents
Xingdi Yuan, Jie Fu, Marc-Alexandre Côté, Yi Tay, Chris Pal and Adam Trischler 2325

Syntactic Data Augmentation Increases Robustness to Inference Heuristics
Junghyun Min, R. Thomas McCoy, Dipanjan Das, Emily Pitler and Tal Linzen 2339

Improved Speech Representations with Multi-Target Autoregressive Predictive Coding
Yu-An Chung and James Glass 2353

Integrating Multimodal Information in Large Pretrained Transformers
Wasifur Rahman, Md Kamrul Hasan, Sangwu Lee, AmirAli Bagher Zadeh, Chengfeng Mao, Louis-Philippe Morency and Ehsan Hoque 2359

MultiQT: Multimodal learning for real-time question tracking in speech
Jakob D. Havtorn, Jan Latko, Joakim Edin, Lars Maaløe, Lasse Borgholt, Lorenzo Belgrano, Nicolai Jacobsen, Regitze Sdun and Željko Agić 2370

Multimodal and Multiresolution Speech Recognition with Transformers
Georgios Paraskevopoulos, Srinivas Parthasarathy, Aparna Khare and Shiva Sundaram 2381

Phone Features Improve Speech Translation
Elizabeth Salesky and Alan W Black 2388

Grounding Conversations with Improvised Dialogues
Hyundong Cho and Jonathan May 2398

Image-Chat: Engaging Grounded Conversations
Kurt Shuster, Samuel Humeau, Antoine Bordes and Jason Weston 2414

Learning an Unreferenced Metric for Online Dialogue Evaluation
Koustuv Sinha, Prasanna Parthasarathi, Jasmine Wang, Ryan Lowe, William L. Hamilton and Joelle Pineau 2430

Neural Generation of Dialogue Response Timings
Matthew Roddy and Naomi Harte 2442

The Dialogue Dodecathlon: Open-Domain Knowledge and Image Grounded Conversational Agents
Kurt Shuster, Da JU, Stephen Roller, Emily Dinan, Y-Lan Boureau and Jason Weston 2453

Automatic Poetry Generation from Prosaic Text
Tim Van de Cruys 2471

Bridging the Structural Gap Between Encoding and Decoding for Data-To-Text Generation
Chao Zhao, Marilyn Walker and Snigdha Chaturvedi 2481

Enabling Language Models to Fill in the Blanks
Chris Donahue, Mina Lee and Percy Liang 2492

INSET: Sentence Infilling with INter-SEntential Transformer
Yichen Huang, Yizhe Zhang, Oussama Elachqar and Yu Cheng 2502

Improving Adversarial Text Generation by Modeling the Distant Future
Ruiyi Zhang, Changyou Chen, Zhe Gan, Wenlin Wang, Dinghan Shen, Guoyin Wang, Zheng Wen and Lawrence Carin 2516

Simple and Effective Retrieve-Edit-Rerank Text Generation
Nabil Hossain, Marjan Ghazvininejad and Luke Zettlemoyer 2532

BabyWalk: Going Farther in Vision-and-Language Navigation by Taking Baby Steps
Wang Zhu, Hexiang Hu, Jiacheng Chen, Zhiwei Deng, Vihan Jain, Eugene Ie and Fei Sha . . . 2539

Cross-media Structured Common Space for Multimedia Event Extraction
Manling Li, Alireza Zareian, Qi Zeng, Spencer Whitehead, Di Lu, Heng Ji and Shih-Fu Chang 2557

Learning to Segment Actions from Observation and Narration
Daniel Fried, Jean-Baptiste Alayrac, Phil Blunsom, Chris Dyer, Stephen Clark and Aida Nematzadeh 2569

Learning to execute instructions in a Minecraft dialogue
Prashant Jayannavar, Anjali Narayan-Chen and Julia Hockenmaier 2589

MART: Memory-Augmented Recurrent Transformer for Coherent Video Paragraph Captioning
Jie Lei, Liwei Wang, Yelong Shen, Dong Yu, Tamara Berg and Mohit Bansal 2603

What is Learned in Visually Grounded Neural Syntax Acquisition
Noriyuki Kojima, Hadar Averbuch-Elor, Alexander Rush and Yoav Artzi 2615

A Batch Normalized Inference Network Keeps the KL Vanishing Away
Qile Zhu, Wei Bi, Xiaojiang Liu, Xiyao Ma, Xiaolin Li and Dapeng Wu 2636

Contextual Embeddings: When Are They Worth It?
Simran Arora, Avner May, Jian Zhang and Christopher Ré 2650

Interactive Classification by Asking Informative Questions
Lili Yu, Howard Chen, Sida I. Wang, Tao Lei and Yoav Artzi 2664

Knowledge Graph Embedding Compression
Mrinmaya Sachan 2681

Low Resource Sequence Tagging using Sentence Reconstruction
Tal Perl, Sriram Chaudhury and Raja Giryes 2692

Masked Language Model Scoring
Julian Salazar, Davis Liang, Toan Q. Nguyen and Katrin Kirchhoff 2699

Orthogonal Relation Transforms with Graph Context Modeling for Knowledge Graph Embedding
Yun Tang, Jing Huang, Guangtao Wang, Xiaodong He and Bowen Zhou 2713

Posterior Calibrated Training on Sentence Classification Tasks
Taehee Jung, Dongyeop Kang, Hua Cheng, Lucas Mentch and Thomas Schaaf 2723

Posterior Control of Blackbox Generation
Xiang Lisa Li and Alexander Rush 2731

Pretrained Transformers Improve Out-of-Distribution Robustness
Dan Hendrycks, Xiaoyuan Liu, Eric Wallace, Adam Dziedzic, Rishabh Krishnan and Dawn Song 2744

Robust Encodings: A Framework for Combating Adversarial Typos
Erik Jones, Robin Jia, Aditi Raghunathan and Percy Liang 2752

Showing Your Work Doesn't Always Work
Raphael Tang, Jaejun Lee, Ji Xin, Xinyu Liu, Yaoliang Yu and Jimmy Lin 2766

Span Selection Pre-training for Question Answering
Michael Glass, Alfio Gliozzo, Rishav Chakravarti, Anthony Ferritto, Lin Pan, G P Shrivatsa Bhargav, Dinesh Garg and Avi Sil 2773

Topological Sort for Sentence Ordering
Shrimai Prabhumoye, Ruslan Salakhutdinov and Alan W Black 2783

Weight Poisoning Attacks on Pretrained Models
Keita Kurita, Paul Michel and Graham Neubig 2793

schuBERT: Optimizing Elements of BERT
Ashish Khetan and Zohar Karnin 2807

ENGINE: Energy-Based Inference Networks for Non-Autoregressive Machine Translation
Lifu Tu, Richard Yuanzhe Pang, Sam Wiseman and Kevin Gimpel 2819

Leveraging Monolingual Data with Self-Supervision for Multilingual Neural Machine Translation
Aditya Siddhant, Ankur Bapna, Yuan Cao, Orhan Firat, Mia Chen, Sneha Kudugunta, Naveen Arivazhagan and Yonghui Wu 2827

On The Evaluation of Machine Translation SystemsTrained With Back-Translation
Sergey Edunov, Myle Ott, Marc'Aurelio Ranzato and Michael Auli 2836

Simultaneous Translation Policies: From Fixed to Adaptive
Baigong Zheng, Kaibo Liu, Renjie Zheng, Mingbo Ma, Hairong Liu and Liang Huang 2847

Breaking Through the 80% Glass Ceiling: Raising the State of the Art in Word Sense Disambiguation by Incorporating Knowledge Graph Information
Michele Bevilacqua and Roberto Navigli 2854

Glyph2Vec: Learning Chinese Out-of-Vocabulary Word Embedding from Glyphs
Hong-You Chen, SZ-HAN YU and Shou-de Lin 2865

Multidirectional Associative Optimization of Function-Specific Word Representations
Daniela Gerz, Ivan Vulić, Marek Rei, Roi Reichart and Anna Korhonen 2872

Predicting Degrees of Technicality in Automatic Terminology Extraction
Anna Hätty, Dominik Schlechtweg, Michael Dorna and Sabine Schulte im Walde 2883

Verbal Multiword Expressions for Identification of Metaphor
Omid Rohanian, Marek Rei, Shiva Taslimipoor and Le An Ha 2890

Gender Bias in Multilingual Embeddings and Cross-Lingual Transfer
Jieyu Zhao, Subhabrata Mukherjee, saghar Hosseini, Kai-Wei Chang and Ahmed Hassan Awadallah 2896

Give Me Convenience and Give Her Death: Who Should Decide What Uses of NLP are Appropriate, and on What Basis?
kobi leins, Jey Han Lau and Timothy Baldwin 2908

Is Your Classifier Actually Biased? Measuring Fairness under Uncertainty with Bernstein Bounds
Kawin Ethayarajh 2914

It's Morphin' Time! Combating Linguistic Discrimination with Inflectional Perturbations
Samson Tan, Shafiq Joty, Min-Yen Kan and Richard Socher 2920

Mitigating Gender Bias Amplification in Distribution by Posterior Regularization
Shengyu Jia, Tao Meng, Jieyu Zhao and Kai-Wei Chang 2936

Towards Understanding Gender Bias in Relation Extraction
Andrew Gaut, Tony Sun, Shirlyn Tang, Yuxin Huang, Jing Qian, Mai ElSherief, Jieyu Zhao, Diba Mirza, Elizabeth Belding, Kai-Wei Chang and William Yang Wang 2943

A Probabilistic Generative Model for Typographical Analysis of Early Modern Printing
Kartik Goyal, Chris Dyer, Christopher Warren, Maxwell G'Sell and Taylor Berg-Kirkpatrick 2954

Attentive Pooling with Learnable Norms for Text Representation
Chuhan Wu, Fangzhao Wu, Tao Qi, Xiaohui Cui and Yongfeng Huang 2961

Estimating the influence of auxiliary tasks for multi-task learning of sequence tagging tasks
Fynn Schröder and Chris Biemann 2971

How Does Selective Mechanism Improve Self-Attention Networks?
Xinwei Geng, Longyue Wang, Xing Wang, Bing Qin, Ting Liu and Zhaopeng Tu 2986

Improving Transformer Models by Reordering their Sublayers
Ofir Press, Noah A. Smith and Omer Levy 2996

Single Model Ensemble using Pseudo-Tags and Distinct Vectors
Ryosuke Kuwabara, Jun Suzuki and Hideki Nakayama 3006

Zero-shot Text Classification via Reinforced Self-training
Zhiquan Ye, Yuxia Geng, Jiaoyan Chen, Jingmin Chen, Xiaoxiao Xu, SuHang Zheng, Feng Wang, Jun Zhang and Huajun Chen 3014

A Novel Graph-based Multi-modal Fusion Encoder for Neural Machine Translation
Yongjing Yin, Fandong Meng, Jinsong Su, Chulun Zhou, Zhengyuan Yang, Jie Zhou and Jiebo Luo 3025

A Relaxed Matching Procedure for Unsupervised BLI
Xu Zhao, Zihao Wang, Yong Zhang and Hao Wu 3036

Dynamic Programming Encoding for Subword Segmentation in Neural Machine Translation
Xuanli He, Gholamreza Haffari and Mohammad Norouzi 3042

Geometry-aware domain adaptation for unsupervised alignment of word embeddings
Pratik Jawanpuria, Mayank Meghwanshi and Bamdev Mishra 3052

Learning to Recover from Multi-Modality Errors for Non-Autoregressive Neural Machine Translation
Qiu Ran, Yankai Lin, Peng Li and Jie Zhou 3059

On the Inference Calibration of Neural Machine Translation
Shuo Wang, Zhaopeng Tu, Shuming Shi and Yang Liu 3070

Camouflaged Chinese Spam Content Detection with Semi-supervised Generative Active Learning
Zhuoren Jiang, Zhe Gao, Yu Duan, Yangyang Kang, Changlong Sun, Qiong Zhang and Xiaozhong Liu 3080

Distinguish Confusing Law Articles for Legal Judgment Prediction
Nuo Xu, Pinghui Wang, Long Chen, Li Pan, Xiaoyan Wang and Junzhou Zhao 3086

Hiring Now: A Skill-Aware Multi-Attention Model for Job Posting Generation
Liting Liu, Jie Liu, Wenzheng Zhang, Ziming Chi, Wenxuan Shi and Yalou Huang 3096

HyperCore: Hyperbolic and Co-graph Representation for Automatic ICD Coding
Pengfei Cao, Yubo Chen, Kang Liu, Jun Zhao, Shengping Liu and Weifeng Chong 3105

Hyperbolic Capsule Networks for Multi-Label Classification
Boli Chen, Xin Huang, Lin Xiao and Liping Jing 3115

Improving Segmentation for Technical Support Problems
Kushal Chauhan and Abhirut Gupta 3125

MOOCCube: A Large-scale Data Repository for NLP Applications in MOOCs
Jifan Yu, Gan Luo, Tong Xiao, Qingyang Zhong, Yuquan Wang, wenzheng feng, Junyi Luo, Chenyu Wang, Lei Hou, Juanzi Li, Zhiyuan Liu and Jie Tang 3135

Towards Interpretable Clinical Diagnosis with Bayesian Network Ensembles Stacked on Entity-Aware CNNs
Jun Chen, Xiaoya Dai, Quan Yuan, Chao Lu and Haifeng Huang 3143

Analyzing the Persuasive Effect of Style in News Editorial Argumentation
Roxanne El Baff, Henning Wachsmuth, Khalid Al Khatib and Benno Stein 3154

ECPE-2D: Emotion-Cause Pair Extraction based on Joint Two-Dimensional Representation, Interaction and Prediction
Zixiang Ding, Rui Xia and Jianfei Yu 3161

Effective Inter-Clause Modeling for End-to-End Emotion-Cause Pair Extraction
Penghui Wei, Jiahao Zhao and Wenji Mao 3171

Embarrassingly Simple Unsupervised Aspect Extraction
Stéphan Tulkens and Andreas van Cranenburgh 3182

Enhancing Cross-target Stance Detection with Transferable Semantic-Emotion Knowledge
Bowen Zhang, Min Yang, Xutao Li, Yunming Ye, Xiaofei Xu and Kuai Dai 3188

KinGDOM: Knowledge-Guided DOMain Adaptation for Sentiment Analysis
Deepanway Ghosal, Devamanyu Hazarika, Abhinaba Roy, Navonil Majumder, Rada Mihalcea and Soujanya Poria 3198

Modelling Context and Syntactical Features for Aspect-based Sentiment Analysis
Minh Hieu Phan and Philip O. Ogunbona 3211

Parallel Data Augmentation for Formality Style Transfer
Yi Zhang, Tao Ge and Xu SUN 3221

Relational Graph Attention Network for Aspect-based Sentiment Analysis
Kai Wang, Weizhou Shen, Yunyi Yang, Xiaojun Quan and Rui Wang 3229

SpanMlt: A Span-based Multi-Task Learning Framework for Pair-wise Aspect and Opinion Terms Extraction
He Zhao, Longtao Huang, Rong Zhang, Quan Lu and hui xue 3239

Syntax-Aware Opinion Role Labeling with Dependency Graph Convolutional Networks
Bo Zhang, Yue Zhang, Rui Wang, Zhenghua Li and Min Zhang 3249

Towards Better Non-Tree Argument Mining: Proposition-Level Biaffine Parsing with Task-Specific Parameterization
Gaku Morio, Hiroaki Ozaki, Terufumi Morishita, Yuta Koreeda and Kohsuke Yanai 3259

A Span-based Linearization for Constituent Trees
Yang Wei, Yuanbin Wu and Man Lan 3267

An Empirical Comparison of Unsupervised Constituency Parsing Methods
Jun Li, Yifan Cao, Jiong Cai, Yong Jiang and Kewei Tu 3278

Efficient Constituency Parsing by Pointing
Thanh-Tung Nguyen, Xuan-Phi Nguyen, Shafiq Joty and Xiaoli Li 3284

Efficient Second-Order TreeCRF for Neural Dependency Parsing
Yu Zhang, Zhenghua Li and Min Zhang 3295

Representations of Syntax [MASK] Useful: Effects of Constituency and Dependency Structure in Recursive LSTMs
Michael Lepori, Tal Linzen and R. Thomas McCoy 3306

Structure-Level Knowledge Distillation For Multilingual Sequence Labeling
Xinyu Wang, Yong Jiang, Nguyen Bach, Tao Wang, Fei Huang and Kewei Tu 3317

Dynamic Online Conversation Recommendation
Xingshan Zeng, Jing Li, Lu Wang, Zhiming Mao and Kam-Fai Wong 3331

Improving Multimodal Named Entity Recognition via Entity Span Detection with Unified Multimodal Transformer
Jianfei Yu, Jing Jiang, Li Yang and Rui Xia 3342

Stock Embeddings Acquired from News Articles and Price History, and an Application to Portfolio Optimization
Xin Du and Kumiko Tanaka-Ishii 3353

What Was Written vs. Who Read It: News Media Profiling Using Text Analysis and Social Media Context
Ramy Baly, Georgi Karadzhov, Jisun An, Haewoon Kwak, Yoan Dinkov, Ahmed Ali, James Glass and Preslav Nakov 3364

An Analysis of the Utility of Explicit Negative Examples to Improve the Syntactic Abilities of Neural Language Models
Hiroshi Noji and Hiroya Takamura 3375

On the Robustness of Language Encoders against Grammatical Errors
Fan Yin, Quanyu Long, Tao Meng and Kai-Wei Chang 3386

Roles and Utilization of Attention Heads in Transformer-based Neural Language Models
Jae-young Jo and Sung-Hyon Myaeng 3404

Understanding Attention for Text Classification
Xiaobing Sun and Wei Lu 3418

A Relational Memory-based Embedding Model for Triple Classification and Search Personalization
Dai Quoc Nguyen, Tu Nguyen and Dinh Phung 3429

Do you have the right scissors? Tailoring Pre-trained Language Models via Monte-Carlo Methods
Ning Miao, Yuxuan Song, Hao Zhou and Lei Li 3436

Enhancing Pre-trained Chinese Character Representation with Word-aligned Attention
Yanzeng Li, Bowen Yu, Xue Mengge and Tingwen Liu 3442

On the Encoder-Decoder Incompatibility in Variational Text Modeling and Beyond
Chen Wu, Prince Zizhuang Wang and William Yang Wang 3449

SAFER: A Structure-free Approach for Certified Robustness to Adversarial Word Substitutions
Mao Ye, Chengyue Gong and Qiang Liu 3465

A Graph-based Coarse-to-fine Method for Unsupervised Bilingual Lexicon Induction
Shuo Ren, Shujie Liu, Ming Zhou and Shuai Ma 3476

A Reinforced Generation of Adversarial Examples for Neural Machine Translation
wei zou, Shujian Huang, Jun Xie, Xinyu Dai and Jiajun CHEN 3486

A Retrieve-and-Rewrite Initialization Method for Unsupervised Machine Translation
Shuo Ren, Yu Wu, Shujie Liu, Ming Zhou and Shuai Ma 3498

A Simple and Effective Unified Encoder for Document-Level Machine Translation
Shuming Ma, Dongdong Zhang and Ming Zhou 3505

Does Multi-Encoder Help? A Case Study on Context-Aware Neural Machine Translation
Bei Li, Hui Liu, Ziyang Wang, Yufan Jiang, Tong Xiao, Jingbo Zhu, Tongran Liu and changliang li 3512

Dynamically Adjusting Transformer Batch Size by Monitoring Gradient Direction Change
Hongfei Xu, Josef van Genabith, Deyi Xiong and Qiuhui Liu 3519

Knowledge Distillation for Multilingual Unsupervised Neural Machine Translation
Haipeng Sun, Rui Wang, Kehai Chen, Masao Utiyama, Eiichiro Sumita and Tiejun Zhao 3525

Lexically Constrained Neural Machine Translation with Levenshtein Transformer
Raymond Hendy Susanto, Shamil Chollampatt and Liling Tan 3536

On Exposure Bias, Hallucination and Domain Shift in Neural Machine Translation
Chaojun Wang and Rico Sennrich 3544

Automatic Machine Translation Evaluation using Source Language Inputs and Cross-lingual Language Model
Kosuke Takahashi, Katsuhito Sudoh and Satoshi Nakamura 3553

ChartDialogs: Plotting from Natural Language Instructions
Yutong Shao and Ndapa Nakashole 3559

GLUECoS: An Evaluation Benchmark for Code-Switched NLP
Simran Khanuja, Sandipan Dandapat, Anirudh Srinivasan, Sunayana Sitaram and Monojit Choudhury 3575

MATINF: A Jointly Labeled Large-Scale Dataset for Classification, Question Answering and Summarization
Canwen Xu, Jiaxin Pei, Hongtao Wu, Yiyu Liu and Chenliang Li 3586

MIND: A Large-scale Dataset for News Recommendation
Fangzhao Wu, Ying Qiao, Jiun-Hung Chen, Chuhan Wu, Tao Qi, Jianxun Lian, Danyang Liu, Xing Xie, Jianfeng Gao, Winnie Wu and Ming Zhou 3597

That is a Known Lie: Detecting Previously Fact-Checked Claims
Shaden Shaar, Nikolay Babulkov, Giovanni Da San Martino and Preslav Nakov 3607

Towards Holistic and Automatic Evaluation of Open-Domain Dialogue Generation
Bo Pang, Erik Nijkamp, Wenjuan Han, Linqi Zhou, Yixian Liu and Kewei Tu 3619

BiRRE: Learning Bidirectional Residual Relation Embeddings for Supervised Hypernymy Detection
Chengyu Wang and XIAOFENG HE 3630

Biomedical Entity Representations with Synonym Marginalization
Mujeen Sung, Hwisang Jeon, Jinhyuk Lee and Jaewoo Kang 3641

Hypernymy Detection for Low-Resource Languages via Meta Learning
Changlong Yu, Jialong Han, Haisong Zhang and Wilfred Ng 3651

Investigating Word-Class Distributions in Word Vector Spaces
Ryohei Sasano and Anna Korhonen 3657

Aspect Sentiment Classification with Document-level Sentiment Preference Modeling
Xiao Chen, Changlong Sun, Jingjing Wang, Shoushan Li, Luo Si, Min Zhang and Guodong Zhou 3667

Don't Eclipse Your Arts Due to Small Discrepancies: Boundary Repositioning with a Pointer Network for Aspect Extraction
Zhenkai Wei, Yu Hong, Bowei Zou, Meng Cheng and Jianmin YAO 3678

Relation-Aware Collaborative Learning for Unified Aspect-Based Sentiment Analysis
Zhuang Chen and Tieyun Qian 3685

SentiBERT: A Transferable Transformer-Based Architecture for Compositional Sentiment Semantics
Da Yin, Tao Meng and Kai-Wei Chang 3695

Transition-based Directed Graph Construction for Emotion-Cause Pair Extraction
Chuang Fan, Chaofa Yuan, Jiachen Du, Lin Gui, Min Yang and Ruifeng Xu 3707

CH-SIMS: A Chinese Multimodal Sentiment Analysis Dataset with Fine-grained Annotation of Modality
Wenmeng Yu, Hua Xu, Fanyang Meng, Yilin Zhu, Yixiao Ma, Jiele Wu, Jiyun Zou and Kaicheng Yang 3718

Curriculum Pre-training for End-to-End Speech Translation
Chengyi Wang, Yu Wu, Shujie Liu, Ming Zhou and Zhenglu Yang 3728

How Accents Confound: Probing for Accent Information in End-to-End Speech Recognition Systems
Archiki Prasad and Preethi Jyothi 3739

Improving Disfluency Detection by Self-Training a Self-Attentive Model
Paria Jamshid Lou and Mark Johnson 3754

Learning Spoken Language Representations with Neural Lattice Language Modeling
Chao-Wei Huang and Yun-Nung Chen 3764

Meta-Transfer Learning for Code-Switched Speech Recognition
Genta Indra Winata, Samuel Cahyawijaya, Zhaojiang Lin, Zihan Liu, Peng Xu and Pascale Fung 3770

Reasoning with Multimodal Sarcastic Tweets via Modeling Cross-Modality Contrast and Semantic Association
Nan Xu, Zhixiong Zeng and Wenji Mao 3777

SimulSpeech: End-to-End Simultaneous Speech to Text Translation
Yi Ren, Jinglin Liu, Xu Tan, Chen Zhang, Tao QIN, Zhou Zhao and Tie-Yan Liu 3787

Towards end-2-end learning for predicting behavior codes from spoken utterances in psychotherapy conversations
Karan Singla, Zhuohao Chen, David Atkins and Shrikanth Narayanan 3797

Neural Temporal Opinion Modelling for Opinion Prediction on Twitter
Lixing Zhu, Yulan He and Deyu Zhou 3804

It Takes Two to Lie: One to Lie, and One to Listen
Denis Peskov, Benny Cheng, Ahmed Elgohary, Joe Barrow, Cristian Danescu-Niculescu-Mizil and Jordan Boyd-Graber 3811

Learning Implicit Text Generation via Feature Matching
Inkit Padhi, Pierre Dognin, Ke Bai, Cícero Nogueira dos Santos, Vijil Chenthamarakshan, Youssef Mroueh and Payel Das 3855

Two Birds, One Stone: A Simple, Unified Model for Text Generation from Structured and Unstructured Data
Hamidreza Shahidi, Ming Li and Jimmy Lin 3864

Bayesian Hierarchical Words Representation Learning
Oren Barkan, Idan Rejwan, Avi Caciularu and Noam Koenigstein 3871

Pre-training Is (Almost) All You Need: An Application to Commonsense Reasoning
Alexandre Tamborrino, Nicola Pellicanò, Baptiste Pannier, Pascal Voitot and Louise Naudin . 3878

SEEK: Segmented Embedding of Knowledge Graphs
Wentao Xu, Shun Zheng, Liang He, Bin Shao, Jian Yin and Tie-Yan Liu 3888

Selecting Backtranslated Data from Multiple Sources for Improved Neural Machine Translation
Xabier Soto, Dimitar Shterionov, Alberto Poncelas and Andy Way 3898

Successfully Applying the Stabilized Lottery Ticket Hypothesis to the Transformer Architecture
Christopher Brix, Parnia Bahar and Hermann Ney 3909

A Self-Training Method for Machine Reading Comprehension with Soft Evidence Extraction
Yilin Niu, Fangkai Jiao, Mantong Zhou, Ting Yao, jingfang xu and Minlie Huang 3916

Graph-to-Tree Learning for Solving Math Word Problems
Jipeng Zhang, Lei Wang, Roy Ka-Wei Lee, Yi Bin, Yan Wang, Jie Shao and Ee-Peng Lim . . . 3928

An Effectiveness Metric for Ordinal Classification: Formal Properties and Experimental Results
Enrique Amigo, Julio Gonzalo, Stefano Mizzaro and Jorge Carrillo-de-Albornoz 3938

Adaptive Compression of Word Embeddings
Yeachan Kim, Kang-Min Kim and SangKeun Lee 3950

Analysing Lexical Semantic Change with Contextualised Word Representations
Mario Giulianelli, Marco Del Tredici and Raquel Fernández 3960

Autoencoding Keyword Correlation Graph for Document Clustering
Billy Chiu, Sunil Kumar Sahu, Derek Thomas, Neha Sengupta and Mohammady Mahdy 3974

Autoencoding Pixies: Amortised Variational Inference with Graph Convolutions for Functional Distributional Semantics
Guy Emerson 3982

BERTRAM: Improved Word Embeddings Have Big Impact on Contextualized Model Performance
Timo Schick and Hinrich Schütze 3996

CluBERT: A Cluster-Based Approach for Learning Sense Distributions in Multiple Languages
Tommaso Pasini, Federico Scozzafava and Bianca Scarlini 4008

Adversarial and Domain-Aware BERT for Cross-Domain Sentiment Analysis
Chunning Du, Haifeng Sun, Jingyu Wang, Qi Qi and Jianxin Liao 4019

From Arguments to Key Points: Towards Automatic Argument Summarization
Roy Bar-Haim, Lilach Eden, Roni Friedman, Yoav Kantor, Dan Lahav and Noam Slonim 4029

GoEmotions: A Dataset of Fine-Grained Emotions
Dorottya Demszky, Dana Movshovitz-Attias, Jeongwoo Ko, Alan Cowen, Gaurav Nemade and Sujith Ravi 4040

He said "who's gonna take care of your children when you are at ACL?": Reported Sexist Acts are Not Sexist
Patricia Chiril, Véronique MORICEAU, Farah Benamara, Alda Mari, Gloria Origgi and Marlène Coulomb-Gully 4055

SKEP: Sentiment Knowledge Enhanced Pre-training for Sentiment Analysis
Hao Tian, Can Gao, Xinyan Xiao, Hao Liu, Bolei He, Hua Wu, Haifeng Wang and feng wu . . 4067

Do Neural Language Models Show Preferences for Syntactic Formalisms?
Artur Kulmizev, Vinit Ravishankar, Mostafa Abdou and Joakim Nivre 4077

Enriched In-Order Linearization for Faster Sequence-to-Sequence Constituent Parsing
Daniel Fernández-González and Carlos Gómez-Rodríguez 4092

Exact yet Efficient Graph Parsing, Bi-directional Locality and the Constructivist Hypothesis
Yajie Ye and Weiwei Sun 4100

Max-Margin Incremental CCG Parsing
Miloš Stanojević and Mark Steedman 4111

Neural Reranking for Dependency Parsing: An Evaluation
Bich-Ngoc Do and Ines Rehbein 4123

Demographics Should Not Be the Reason of Toxicity: Mitigating Discrimination in Text Classifications with Instance Weighting
Guanhua Zhang, Bing Bai, Junqi Zhang, Kun Bai, Conghui Zhu and Tiejun Zhao 4134

Analyzing analytical methods: The case of phonology in neural models of spoken language
Grzegorz Chrupała, Bertrand Higy and Afra Alishahi 4146

Make Up Your Mind! Adversarial Generation of Inconsistent Natural Language Explanations
Oana-Maria Camburu, Brendan Shillingford, Pasquale Minervini, Thomas Lukasiewicz and Phil Blunsom 4157

Perturbed Masking: Parameter-free Probing for Analyzing and Interpreting BERT
Zhiyong Wu, Yun Chen, Ben Kao and Qun Liu 4166

Probing for Referential Information in Language Models
Ionut-Teodor Sorodoc, Kristina Gulordava and Gemma Boleda 4177

Quantifying Attention Flow in Transformers
Samira Abnar and Willem Zuidema 4190

Towards Faithfully Interpretable NLP Systems: How Should We Define and Evaluate Faithfulness?
Alon Jacovi and Yoav Goldberg 4198

Towards Transparent and Explainable Attention Models
Akash Kumar Mohankumar, Preksha Nema, Sharan Narasimhan, Mitesh M. Khapra, Balaji Vasan Srinivasan and Balaraman Ravindran 4206

Tchebycheff Procedure for Multi-task Text Classification
Yuren Mao, Shuang Yun, Weiwei Liu and Bo Du 4217

Modeling Word Formation in English–German Neural Machine Translation
Marion Weller-Di Marco and Alexander Fraser 4227

Empowering Active Learning to Jointly Optimize System and User Demands
Ji-Ung Lee, Christian M. Meyer and Iryna Gurevych 4233

Encoder-Decoder Models Can Benefit from Pre-trained Masked Language Models in Grammatical Error Correction
Masahiro Kaneko, Masato Mita, Shun Kiyono, Jun Suzuki and Kentaro Inui 4248

Graph Neural News Recommendation with Unsupervised Preference Disentanglement
Linmei Hu, Siyong Xu, Chen Li, Cheng Yang, Chuan Shi, Nan Duan, Xing Xie and Ming Zhou 4255

Identifying Principals and Accessories in a Complex Case based on the Comprehension of Fact Description
Yakun Hu, Zhunchen Luo and Wenhan Chao 4265

Joint Modelling of Emotion and Abusive Language Detection
Santhosh Rajamanickam, Pushkar Mishra, Helen Yannakoudakis and Ekaterina Shutova 4270

Programming in Natural Language with fuSE: Synthesizing Methods from Spoken Utterances Using Deep Natural Language Understanding
Sebastian Weigelt, Vanessa Steurer, Tobias Hey and Walter F. Tichy 4280

Toxicity Detection: Does Context Really Matter?
John Pavlopoulos, Jeffrey Sorensen, Lucas Dixon, Nithum Thain and Ion Androutsopoulos . . 4296

AMR Parsing with Latent Structural Information
Qiji Zhou, Yue Zhang, Donghong Ji and Hao Tang 4306

TaPas: Weakly Supervised Table Parsing via Pre-training
Jonathan Herzig, Pawel Krzysztof Nowak, Thomas Müller, Francesco Piccinno and Julian Eisenschlos 4320

Target Inference in Argument Conclusion Generation
Milad Alshomary, Shahbaz Syed, Martin Potthast and Henning Wachsmuth 4334

Multimodal Transformer for Multimodal Machine Translation
Shaowei Yao and Xiaojun Wan 4346

Sentiment and Emotion help Sarcasm? A Multi-task Learning Framework for Multi-Modal Sarcasm, Sentiment and Emotion Analysis
Dushyant Singh Chauhan, Dhanush S R, Asif Ekbal and Pushpak Bhattacharyya 4351

Towards Emotion-aided Multi-modal Dialogue Act Classification
Tulika Saha, Aditya Patra, Sriparna Saha and Pushpak Bhattacharyya 4361

Analyzing Political Parody in Social Media
Antonios Maronikolakis, Danae Sánchez Villegas, Daniel Preotiuc-Pietro and Nikolaos Aletras 4373

Masking Actor Information Leads to Fairer Political Claims Detection
Erenay Dayanik and Sebastian Padó 4385

When do Word Embeddings Accurately Reflect Surveys on our Beliefs About People?
Kenneth Joseph and Jonathan Morgan 4392

"Who said it, and Why?" Provenance for Natural Language Claims
Yi Zhang, Zachary Ives and Dan Roth 4416

Compositionality and Generalization In Emergent Languages
Rahma Chaabouni, Eugene Kharitonov, Diane Bouchacourt, Emmanuel Dupoux and Marco Baroni 4427

ERASER: A Benchmark to Evaluate Rationalized NLP Models
Jay DeYoung, Sarthak Jain, Nazneen Fatema Rajani, Eric Lehman, Caiming Xiong, Richard Socher and Byron C. Wallace 4443

Learning to Faithfully Rationalize by Construction
Sarthak Jain, Sarah Wiegreffe, Yuval Pinter and Byron C. Wallace 4459

Clinical Reading Comprehension: A Thorough Analysis of the emrQA Dataset
Xiang Yue, Bernal Jimenez Gutierrez and Huan Sun 4474

DeFormer: Decomposing Pre-trained Transformers for Faster Question Answering
Qingqing Cao, Harsh Trivedi, Aruna Balasubramanian and Niranjan Balasubramanian 4487

Improving Multi-hop Question Answering over Knowledge Graphs using Knowledge Base Embeddings
Apoorv Saxena, Aditay Tripathi and Partha Talukdar 4498

Template-Based Question Generation from Retrieved Sentences for Improved Unsupervised Question Answering
Alexander Fabbri, Patrick Ng, Zhiguo Wang, Ramesh Nallapati and Bing Xiang 4508

Unsupervised Alignment-based Iterative Evidence Retrieval for Multi-hop Question Answering
Vikas Yadav, Steven Bethard and Mihai Surdeanu 4514

A Corpus for Large-Scale Phonetic Typology
Elizabeth Salesky, Eleanor Chodroff, Tiago Pimentel, Matthew Wiesner, Ryan Cotterell, Alan W Black and Jason Eisner 4526

Dscorer: A Fast Evaluation Metric for Discourse Representation Structure Parsing
Jiangming Liu, Shay B. Cohen and Mirella Lapata 4547

ParaCrawl: Web-Scale Acquisition of Parallel Corpora
Marta Bañón, Pinzhen Chen, Barry Haddow, Kenneth Heafield, Hieu Hoang, Miquel Esplà-Gomis, Mikel L. Forcada, Amir Kamran, Faheem Kirefu, Philipp Koehn, Sergio Ortiz Rojas, Leopoldo Pla Sempere, Gema Ramírez-Sánchez, Elsa Sarrías, Marek Strelec, Brian Thompson, William Waites, Dion Wiggins and Jaume Zaragoza 4555

Toward Gender-Inclusive Coreference Resolution
Yang Trista Cao and Hal Daumé III 4568

Human Attention Maps for Text Classification: Do Humans and Neural Networks Focus on the Same Words?
Cansu Sen, Thomas Hartvigsen, Biao Yin, Xiangnan Kong and Elke Rundensteiner 4596

Information-Theoretic Probing for Linguistic Structure
Tiago Pimentel, Josef Valvoda, Rowan Hall Maudslay, Ran Zmigrod, Adina Williams and Ryan Cotterell 4609

On the Cross-lingual Transferability of Monolingual Representations
Mikel Artetxe, Sebastian Ruder and Dani Yogatama 4623

Similarity Analysis of Contextual Word Representation Models
John Wu, Yonatan Belinkov, Hassan Sajjad, Nadir Durrani, Fahim Dalvi and James Glass . . . 4638

SenseBERT: Driving Some Sense into BERT
Yoav Levine, Barak Lenz, Or Dagan, Ori Ram, Dan Padnos, Or Sharir, Shai Shalev-Shwartz, Amnon Shashua and Yoav Shoham 4656

ASSET: A Dataset for Tuning and Evaluation of Sentence Simplification Models with Multiple Rewriting Transformations
Fernando Alva-Manchego, Louis Martin, Antoine Bordes, Carolina Scarton, Benoît Sagot and Lucia Specia 4668

Fatality Killed the Cat or: BabelPic, a Multimodal Dataset for Non-Concrete Concepts
Agostina Calabrese, Michele Bevilacqua and Roberto Navigli 4680

Modeling Label Semantics for Predicting Emotional Reactions
Radhika Gaonkar, Heeyoung Kwon, Mohaddeseh Bastan, Niranjan Balasubramanian and Nathanael Chambers 4687

CraftAssist Instruction Parsing: Semantic Parsing for a Voxel-World Assistant
Kavya Srinet, Yacine Jernite, Jonathan Gray and arthur szlam 4693

Don't Say That! Making Inconsistent Dialogue Unlikely with Unlikelihood Training
Margaret Li, Stephen Roller, Ilia Kulikov, Sean Welleck, Y-Lan Boureau, Kyunghyun Cho and Jason Weston 4715

How does BERT's attention change when you fine-tune? An analysis methodology and a case study in negation scope
Yiyun Zhao and Steven Bethard 4729

Influence Paths for Characterizing Subject-Verb Number Agreement in LSTM Language Models
Kaiji Lu, Piotr Mardziel, Klas Leino, Matt Fredrikson and Anupam Datta 4748

Interpreting Pretrained Contextualized Representations via Reductions to Static Embeddings
Rishi Bommasani, Kelly Davis and Claire Cardie 4758

Learning to Deceive with Attention-Based Explanations
Danish Pruthi, Mansi Gupta, Bhuwan Dhingra, Graham Neubig and Zachary C. Lipton 4782

On the Spontaneous Emergence of Discrete and Compositional Signals
Nur Geffen Lan, Emmanuel Chemla and Shane Steinert-Threlkeld 4794

Spying on Your Neighbors: Fine-grained Probing of Contextual Embeddings for Information about Surrounding Words
Josef Klafka and Allyson Ettinger 4801

Dense-Caption Matching and Frame-Selection Gating for Temporal Localization in VideoQA
Hyounghun Kim, Zineng Tang and Mohit Bansal 4812

Shaping Visual Representations with Language for Few-Shot Classification
Jesse Mu, Percy Liang and Noah Goodman 4823

Discrete Latent Variable Representations for Low-Resource Text Classification
Shuning Jin, Sam Wiseman, Karl Stratos and Karen Livescu 4831

Learning Constraints for Structured Prediction Using Rectifier Networks
Xingyuan Pan, Maitrey Mehta and Vivek Srikumar 4843

Pretraining with Contrastive Sentence Objectives Improves Discourse Performance of Language Models
Dan Iter, Kelvin Guu, Larry Lansing and Dan Jurafsky 4859

A Recipe for Creating Multimodal Aligned Datasets for Sequential Tasks
Angela Lin, Sudha Rao, Asli Celikyilmaz, Elnaz Nouri, Chris Brockett, Debadeepta Dey and Bill Dolan 4871

Adversarial NLI: A New Benchmark for Natural Language Understanding
Yixin Nie, Adina Williams, Emily Dinan, Mohit Bansal, Jason Weston and Douwe Kiela 4885

Beyond Accuracy: Behavioral Testing of NLP Models with CheckList
Marco Tulio Ribeiro, Tongshuang Wu, Carlos Guestrin and Sameer Singh 4902

Code and Named Entity Recognition in StackOverflow
Jeniya Tabassum, Mounica Maddela, Wei Xu and Alan Ritter 4913

Dialogue-Based Relation Extraction
Dian Yu, Kai Sun, Claire Cardie and Dong Yu 4927

Facet-Aware Evaluation for Extractive Summarization
Yuning Mao, Liyuan Liu, Qi Zhu, Xiang Ren and Jiawei Han 4941

More Diverse Dialogue Datasets via Diversity-Informed Data Collection
Katherine Stasaski, Grace Hui Yang and Marti A. Hearst 4958

S2ORC: The Semantic Scholar Open Research Corpus
Kyle Lo, Lucy Lu Wang, Mark Neumann, Rodney Kinney and Daniel Weld 4969

Tangled up in BLEU: Reevaluating the Evaluation of Automatic Machine Translation Evaluation Metrics
Nitika Mathur, Timothy Baldwin and Trevor Cohn 4984

A Transformer-based Approach for Source Code Summarization
Wasi Ahmad, Saikat Chakraborty, Baishakhi Ray and Kai-Wei Chang 4998

Asking and Answering Questions to Evaluate the Factual Consistency of Summaries
Alex Wang, Kyunghyun Cho and Mike Lewis 5008

Discourse-Aware Neural Extractive Text Summarization
Jiacheng Xu, Zhe Gan, Yu Cheng and Jingjing Liu 5021

Discrete Optimization for Unsupervised Sentence Summarization with Word-Level Extraction
Raphael Schumann, Lili Mou, Yao Lu, Olga Vechtomova and Katja Markert 5032

Exploring Content Selection in Summarization of Novel Chapters
Faisal Ladhak, Bryan Li, Yaser Al-Onaizan and Kathleen McKeown 5043

FEQA: A Question Answering Evaluation Framework for Faithfulness Assessment in Abstractive Summarization
Esin Durmus, He He and Mona Diab 5055

Fact-based Content Weighting for Evaluating Abstractive Summarisation
Xinnuo Xu, Ondřej Dušek, Jingyi Li, Verena Rieser and Ioannis Konstas 5071

Hooks in the Headline: Learning to Generate Headlines with Controlled Styles
Di Jin, Zhijing Jin, Joey Tianyi Zhou, Lisa Orii and Peter Szolovits 5082

Knowledge Graph-Augmented Abstractive Summarization with Semantic-Driven Cloze Reward
Luyang Huang, Lingfei Wu and Lu Wang 5094

Optimizing the Factual Correctness of a Summary: A Study of Summarizing Radiology Reports
Yuhao Zhang, Derek Merck, Emily Tsai, Christopher D. Manning and Curtis Langlotz 5108

Storytelling with Dialogue: A Critical Role Dungeons and Dragons Dataset
Revanth Rameshkumar and Peter Bailey 5121

The Summary Loop: Learning to Write Abstractive Summaries Without Examples
Philippe Laban, Andrew Hsi, John Canny and Marti A. Hearst 5135

Unsupervised Opinion Summarization as Copycat-Review Generation
Arthur Bražinskas, Mirella Lapata and Ivan Titov 5151

(Re)construing Meaning in NLP
Sean Trott, Tiago Timponi Torrent, Nancy Chang and Nathan Schneider 5170

Climbing towards NLU: On Meaning, Form, and Understanding in the Age of Data
Emily M. Bender and Alexander Koller 5185

Examining Citations of Natural Language Processing Literature
Saif M. Mohammad 5199

How Can We Accelerate Progress Towards Human-like Linguistic Generalization?
Tal Linzen 5210

How Does NLP Benefit Legal System: A Summary of Legal Artificial Intelligence
Haoxi Zhong, Chaojun Xiao, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu and Maosong Sun . 5218

Intermediate-Task Transfer Learning with Pretrained Language Models: When and Why Does It Work?
Yada Pruksachatkun, Jason Phang, Haokun Liu, Phu Mon Htut, Xiaoyi Zhang, Richard Yuanzhe Pang, Clara Vania, Katharina Kann and Samuel R. Bowman 5231

Predictive Biases in Natural Language Processing Models: A Conceptual Framework and Overview
Deven Santosh Shah, H. Andrew Schwartz and Dirk Hovy 5248

What Does BERT with Vision Look At?
Liunian Harold Li, Mark Yatskar, Da Yin, Cho-Jui Hsieh and Kai-Wei Chang 5265

Balancing Objectives in Counseling Conversations: Advancing Forwards or Looking Backwards
Justine Zhang and Cristian Danescu-Niculescu-Mizil 5276

Detecting Perceived Emotions in Hurricane Disasters
Shrey Desai, Cornelia Caragea and Junyi Jessy Li 5290

Hierarchical Modeling for User Personality Prediction: The Role of Message-Level Attention
Veronica Lynn, Niranjan Balasubramanian and H. Andrew Schwartz 5306

Measuring Forecasting Skill from Text
Shi Zong, Alan Ritter and Eduard Hovy 5317

Text and Causal Inference: A Review of Using Text to Remove Confounding from Causal Estimates
Katherine Keith, David Jensen and Brendan O'Connor 5332

Text-Based Ideal Points
Keyon Vafa, Suresh Naidu and David Blei 5345

Understanding the Language of Political Agreement and Disagreement in Legislative Texts
Maryam Davoodi, Eric Waltenburg and Dan Goldwasser 5358

Would you Rather? A New Benchmark for Learning Machine Alignment with Cultural Values and Social Preferences
Yi Tay, Donovan Ong, Jie Fu, Alvin Chan, Nancy Chen, Anh Tuan Luu and Chris Pal 5369

Discourse as a Function of Event: Profiling Discourse Structure in News Articles around the Main Event
Prafulla Kumar Choubey, Aaron Lee, Ruihong Huang and Lu Wang 5374

Harnessing the linguistic signal to predict scalar inferences
Sebastian Schuster, Yuxing Chen and Judith Degen 5387

Implicit Discourse Relation Classification: We Need to Talk about Evaluation
Najoung Kim, Song Feng, Chulaka Gunasekara and Luis Lastras 5404

PeTra: A Sparsely Supervised Memory Model for People Tracking
Shubham Toshniwal, Allyson Ettinger, Kevin Gimpel and Karen Livescu 5415

ZPR2: Joint Zero Pronoun Recovery and Resolution using Multi-Task Learning and BERT
Linfeng Song, Kun Xu, Yue Zhang, Jianshu Chen and Dong Yu 5429

Contextualizing Hate Speech Classifiers with Post-hoc Explanation
Brendan Kennedy, Xisen Jin, Aida Mostafazadeh Davani, Morteza Dehghani and Xiang Ren . 5435

Double-Hard Debias: Tailoring Word Embeddings for Gender Bias Mitigation
Tianlu Wang, Xi Victoria Lin, Nazneen Fatema Rajani, Bryan McCann, Vicente Ordonez and Caiming Xiong 5443

Language (Technology) is Power: A Critical Survey of "Bias" in NLP
Su Lin Blodgett, Solon Barocas, Hal Daumé III and Hanna Wallach 5454

Social Bias Frames: Reasoning about Social and Power Implications of Language
Maarten Sap, Saadia Gabriel, Lianhui Qin, Dan Jurafsky, Noah A. Smith and Yejin Choi 5477

Social Biases in NLP Models as Barriers for Persons with Disabilities
Ben Hutchinson, Vinodkumar Prabhakaran, Emily Denton, Kellie Webster, Yu Zhong and Stephen Denuyl 5491

Towards Debiasing Sentence Representations
Paul Pu Liang, Irene Mengze Li, Emily Zheng, Yao Chong Lim, Ruslan Salakhutdinov and Louis-Philippe Morency 5502

A Re-evaluation of Knowledge Graph Completion Methods
Zhiqing Sun, Shikhar Vashishth, Soumya Sanyal, Partha Talukdar and Yiming Yang 5516

Cross-Linguistic Syntactic Evaluation of Word Prediction Models
Aaron Mueller, Garrett Nicolai, Panayiota Petrou-Zeniou, Natalia Talmina and Tal Linzen . . . 5523

Evaluating Explainable AI: Which Algorithmic Explanations Help Users Predict Model Behavior?
Peter Hase and Mohit Bansal 5540

Explaining Black Box Predictions and Unveiling Data Artifacts through Influence Functions
Xiaochuang Han, Byron C. Wallace and Yulia Tsvetkov 5553

Finding Universal Grammatical Relations in Multilingual BERT
Ethan A. Chi, John Hewitt and Christopher D. Manning 5564

Generating Hierarchical Explanations on Text Classification via Feature Interaction Detection
Hanjie Chen, Guangtao Zheng and Yangfeng Ji 5578

Obtaining Faithful Interpretations from Compositional Neural Networks
Sanjay Subramanian, Ben Bogin, Nitish Gupta, Tomer Wolfson, Sameer Singh, Jonathan Berant and Matt Gardner 5594

Rationalizing Text Matching: Learning Sparse Alignments via Optimal Transport
Kyle Swanson, Lili Yu and Tao Lei 5609

Benefits of Intermediate Annotations in Reading Comprehension
Dheeru Dua, Sameer Singh and Matt Gardner 5627

Crossing Variational Autoencoders for Answer Retrieval
Wenhao Yu, Lingfei Wu, Qingkai Zeng, Shu Tao, Yu Deng and Meng Jiang 5635

Logic-Guided Data Augmentation and Regularization for Consistent Question Answering
Akari Asai and Hannaneh Hajishirzi 5642

On the Importance of Diversity in Question Generation for QA
Md Arafat Sultan, Shubham Chandel, Ramón Fernandez Astudillo and Vittorio Castelli 5651

Probabilistic Assumptions Matter: Improved Models for Distantly-Supervised Document-Level Question Answering
Hao Cheng, Ming-Wei Chang, Kenton Lee and Kristina Toutanova 5657

SCDE: Sentence Cloze Dataset with High Quality Distractors From Examinations
Xiang Kong, Varun Gangal and Eduard Hovy 5668

Selective Question Answering under Domain Shift
Amita Kamath, Robin Jia and Percy Liang 5684

The Cascade Transformer: an Application for Efficient Answer Sentence Selection
Luca Soldaini and Alessandro Moschitti 5697

Transformers to Learn Hierarchical Contexts in Multiparty Dialogue for Span-based Question Answering
Changmao Li and Jinho D. Choi 5709

Not All Claims are Created Equal: Choosing the Right Statistical Approach to Assess Hypotheses
Erfan Sadeqi Azer, Daniel Khashabi, Ashish Sabharwal and Dan Roth 5715

STARC: Structured Annotations for Reading Comprehension
Yevgeni Berzak, Jonathan Malmaud and Roger Levy 5726

WinoWhy: A Deep Diagnosis of Essential Commonsense Knowledge for Answering Winograd Schema Challenge
Hongming Zhang, Xinran Zhao and Yangqiu Song 5736

Agreement Prediction of Arguments in Cyber Argumentation for Detecting Stance Polarity and Intensity
Joseph Sirrianni, Xiaoqing Liu and Douglas Adams 5746

Cross-Lingual Unsupervised Sentiment Classification with Multi-View Transfer Learning
Hongliang Fei and Ping Li 5759

Efficient Pairwise Annotation of Argument Quality
Lukas Gienapp, Benno Stein, Matthias Hagen and Martin Potthast 5772

Entity-Aware Dependency-Based Deep Graph Attention Network for Comparative Preference Classification
Nianzu Ma, Sahisnu Mazumder, Hao Wang and Bing Liu 5782

OpinionDigest: A Simple Framework for Opinion Summarization
Yoshihiko Suhara, Xiaolan Wang, Stefanos Angelidis and Wang-Chiew Tan 5789

A Comprehensive Analysis of Preprocessing for Word Representation Learning in Affective Tasks
Nastaran Babanejad, Ameeta Agrawal, Aijun An and Manos Papagelis 5799

Diverse and Informative Dialogue Generation with Context-Specific Commonsense Knowledge Awareness
Sixing Wu, Ying Li, Dawei Zhang, Yang Zhou and Zhonghai Wu 5811

Generate, Delete and Rewrite: A Three-Stage Framework for Improving Persona Consistency of Dialogue Generation
Haoyu Song, Yan Wang, Wei-Nan Zhang, Xiaojiang Liu and Ting Liu 5821

Learning to Customize Model Structures for Few-shot Dialogue Generation Tasks
YIPING SONG, Zequn Liu, Wei Bi, Rui Yan and Ming Zhang 5832

Video-Grounded Dialogues with Pretrained Generation Language Models
Hung Le and Steven C.H. Hoi 5842

A Unified MRC Framework for Named Entity Recognition
Xiaoya Li, Jingrong Feng, Yuxian Meng, Qinghong Han, Fei Wu and Jiwei Li 5849

An Effective Transition-based Model for Discontinuous NER
Xiang Dai, Sarvnaz Karimi, Ben Hachey and Cecile Paris 5860

IMoJIE: Iterative Memory-Based Joint Open Information Extraction
Keshav Kolluru, Samarth Aggarwal, Vipul Rathore, and Soumen Chakrabarti 5871

Improving Event Detection via Open-domain Trigger Knowledge
Meihan Tong, Bin Xu, Shuai Wang, Yixin Cao, Lei Hou, Juanzi Li and Jun Xie 5887

Improving Low-Resource Named Entity Recognition using Joint Sentence and Token Labeling
Canasai Kruengkrai, Thien Hai Nguyen, Sharifah Mahani Aljunied and Lidong Bing 5898

Multi-Cell Compositional LSTM for NER Domain Adaptation
Chen Jia and Yue Zhang 5906

Pyramid: A Layered Model for Nested Named Entity Recognition
Jue WANG, Lidan Shou, Ke Chen and Gang Chen 5918

ReInceptionE: Relation-Aware Inception Network with Joint Local-Global Structural Information for Knowledge Graph Embedding
Zhiwen Xie, Guangyou Zhou, Jin Liu and Jimmy Xiangji Huang 5929

Relabel the Noise: Joint Extraction of Entities and Relations via Cooperative Multiagents
Daoyuan Chen, Yaliang Li, Kai Lei and Ying Shen 5940

Simplify the Usage of Lexicon in Chinese NER
Ruotian Ma, Minlong Peng, Qi Zhang, Zhongyu Wei and Xuanjing Huang 5951

AdvAug: Robust Adversarial Augmentation for Neural Machine Translation
Yong Cheng, Lu Jiang, Wolfgang Macherey and Jacob Eisenstein 5961

Contextual Neural Machine Translation Improves Translation of Cataphoric Pronouns
KayYen Wong, Sameen Maruf and Gholamreza Haffari 5971

Improving Neural Machine Translation with Soft Template Prediction
Jian Yang, Shuming Ma, Dongdong Zhang, Zhoujun Li and Ming Zhou 5979

Tagged Back-translation Revisited: Why Does It Really Work?
Benjamin Marie, Raphael Rubino and Atsushi Fujita 5990

Worse WER, but Better BLEU? Leveraging Word Embedding as Intermediate in Multitask End-to-End Speech Translation
Shun-Po Chuang, Tzu-Wei Sung, Alexander H. Liu and Hung-yi Lee 5998

Neural-DINF: A Neural Network based Framework for Measuring Document Influence
Jie Tan, Changlin Yang, Ying Li, Siliang Tang, Chen Huang and Yueting Zhuang 6004

Paraphrase Generation by Learning How to Edit from Samples
Amirhossein Kazemnejad, Mohammadreza Salehi and Mahdieh Soleymani Baghshah 6010

Emerging Cross-lingual Structure in Pretrained Language Models
Alexis Conneau, Shijie Wu, Haoran Li, Luke Zettlemoyer and Veselin Stoyanov 6022

FastBERT: a Self-distilling BERT with Adaptive Inference Time
Weijie Liu, Peng Zhou, Zhiruo Wang, Zhe Zhao, Haotang Deng and QI JU 6035

Incorporating External Knowledge through Pre-training for Natural Language to Code Generation
Frank F. Xu, Zhengbao Jiang, Pengcheng Yin, Bogdan Vasilescu and Graham Neubig 6045

LogicalFactChecker: Leveraging Logical Operations for Fact Checking with Graph Module Network
Wanjun Zhong, Duyu Tang, Zhangyin Feng, Nan Duan, Ming Zhou, Ming Gong, Linjun Shou, Daxin Jiang, Jiahai Wang and Jian Yin 6053

Word-level Textual Adversarial Attacking as Combinatorial Optimization
Yuan Zang, Fanchao Qi, Chenghao Yang, Zhiyuan Liu, Meng Zhang, Qun Liu and Maosong Sun 6066

Benchmarking Multimodal Regex Synthesis with Complex Structures
Xi Ye, Qiaochu Chen, Isil Dillig and Greg Durrett 6081

Curriculum Learning for Natural Language Understanding
Benfeng Xu, Licheng Zhang, Zhendong Mao, Quan Wang, Hongtao Xie and Yongdong Zhang6095

Do Neural Models Learn Systematicity of Monotonicity Inference in Natural Language?
Hitomi Yanaka, Koji Mineshima, Daisuke Bekki and Kentaro Inui 6105

Evidence-Aware Inferential Text Generation with Vector Quantised Variational AutoEncoder
Daya Guo, Duyu Tang, Nan Duan, Jian Yin, Daxin Jiang and Ming Zhou 6118

How to Ask Good Questions? Try to Leverage Paraphrases
Xin Jia, Wenjie Zhou, Xu SUN and Yunfang Wu 6130

NeuInfer: Knowledge Inference on N-ary Facts
Saiping Guan, Xiaolong Jin, Jiafeng Guo, Yuanzhuo Wang and Xueqi Cheng 6141

Neural Graph Matching Networks for Chinese Short Text Matching
Lu Chen, Yanbin Zhao, Boer Lyu, Lesheng Jin, Zhi Chen, Su Zhu and Kai Yu 6152

Neural Mixed Counting Models for Dispersed Topic Discovery
Jiemin Wu, Yanghui Rao, Zusheng Zhang, Haoran Xie, Qing Li, Fu Lee Wang and Ziye Chen6159

Reasoning Over Semantic-Level Graph for Fact Checking
Wanjun Zhong, Jingjing Xu, Duyu Tang, Zenan Xu, Nan Duan, Ming Zhou, Jiahai Wang and Jian Yin 6170

Automatic Generation of Citation Texts in Scholarly Papers: A Pilot Study
Xinyu Xing, Xiaosheng Fan and Xiaojun Wan 6181

Composing Elementary Discourse Units in Abstractive Summarization
Zhenwen Li, Wenhao Wu and Sujian Li 6191

Extractive Summarization as Text Matching
Ming Zhong, Pengfei Liu, Yiran Chen, Danqing Wang, Xipeng Qiu and Xuanjing Huang 6197

Heterogeneous Graph Neural Networks for Extractive Document Summarization
Danqing Wang, Pengfei Liu, Yining Zheng, Xipeng Qiu and Xuanjing Huang 6209

Jointly Learning to Align and Summarize for Neural Cross-Lingual Summarization
Yue Cao, Hui Liu and Xiaojun Wan 6220

Leveraging Graph to Improve Abstractive Multi-Document Summarization
Wei Li, Xinyan Xiao, Jiachen Liu, Hua Wu, Haifeng Wang and Junping Du 6232

Multi-Granularity Interaction Network for Extractive and Abstractive Multi-Document Summarization
Hanqi Jin, Tianming Wang and Xiaojun Wan 6244

Tetra-Tagging: Word-Synchronous Parsing with Linear-Time Inference
Nikita Kitaev and Dan Klein 6255

Are we Estimating or Guesstimating Translation Quality?
Shuo Sun, Francisco Guzmán and Lucia Specia 6262

Language (Re)modelling: Towards Embodied Language Understanding
Ronen Tamari, Chen Shani, Tom Hope, Miriam R L Petruck, Omri Abend and Dafna Shahaf . 6268

The State and Fate of Linguistic Diversity and Inclusion in the NLP World
Pratik Joshi, Sebastin Santy, Amar Budhiraja, Kalika Bali and Monojit Choudhury 6282

The Unstoppable Rise of Computational Linguistics in Deep Learning
James Henderson 6294

To Boldly Query What No One Has Annotated Before? The Frontiers of Corpus Querying
Markus Gärtner and Kerstin Jung 6307

A Contextual Hierarchical Attention Network with Adaptive Objective for Dialogue State Tracking
Yong Shan, Zekang Li, Jinchao Zhang, Fandong Meng, Yang Feng, Cheng Niu and Jie Zhou . 6322

Data Manipulation: Towards Effective Instance Learning for Neural Dialogue Generation via Learning to Augment and Reweight
Hengyi Cai, Hongshen Chen, Yonghao Song, Cheng Zhang, Xiaofang Zhao and Dawei Yin . . 6334

Dynamic Fusion Network for Multi-Domain End-to-end Task-Oriented Dialog
Libo Qin, Xiao Xu, Wanxiang Che, Yue Zhang and Ting Liu 6344

Learning Efficient Dialogue Policy from Demonstrations through Shaping
Huimin Wang, Baolin Peng and Kam-Fai Wong 6355

SAS: Dialogue State Tracking via Slot Attention and Slot Information Sharing
Jiaying Hu, Yan Yang, Chencai Chen, liang he and Zhou Yu 6366

Speaker Sensitive Response Evaluation Model
JinYeong Bak and Alice Oh 6376

A Top-down Neural Architecture towards Text-level Parsing of Discourse Rhetorical Structure
Longyin Zhang, Yuqing Xing, Fang Kong, Peifeng Li and Guodong Zhou 6386

Amalgamation of protein sequence, structure and textual information for improving protein-protein interaction identification
pratik Dutta and Sriparna Saha 6396

Bipartite Flat-Graph Network for Nested Named Entity Recognition
Ying Luo and Hai Zhao 6408

Connecting Embeddings for Knowledge Graph Entity Typing
Yu Zhao, anxiang zhang, Ruobing Xie, Kang Liu and Xiaojie WANG 6419

Continual Relation Learning via Episodic Memory Activation and Reconsolidation
Xu Han, Yi Dai, Tianyu Gao, Yankai Lin, Zhiyuan Liu, Peng Li, Maosong Sun and Jie Zhou . 6429

Handling Rare Entities for Neural Sequence Labeling
Yangming Li, Han Li, Kaisheng Yao and Xiaolong Li 6441

Instance-Based Learning of Span Representations: A Case Study through Named Entity Recognition
Hiroki Ouchi, Jun Suzuki, Sosuke Kobayashi, Sho Yokoi, Tatsuki Kuribayashi, Ryuto Konno and Kentaro Inui 6452

MIE: A Medical Information Extractor towards Medical Dialogues
Yuanzhe Zhang, Zhongtao Jiang, Tao Zhang, Shiwan Liu, Jiarun Cao, Kang Liu, Shengping Liu and Jun Zhao 6460

Named Entity Recognition as Dependency Parsing
Juntao Yu, Bernd Bohnet and Massimo Poesio 6470

Neighborhood Matching Network for Entity Alignment
Yuting Wu, Xiao Liu, Yansong Feng, Zheng Wang and Dongyan Zhao 6477

Relation Extraction with Explanation
Hamed Shahbazi, Xiaoli Fern, Reza Ghaeini and Prasad Tadepalli 6488

Representation Learning for Information Extraction from Form-like Documents
Bodhisattwa Prasad Majumder, Navneet Potti, Sandeep Tata, James Bradley Wendt, Qi Zhao and Marc Najork 6495

Single-/Multi-Source Cross-Lingual NER via Teacher-Student Learning on Unlabeled Data in Target Language
Qianhui Wu, Zijia Lin, Börje Karlsson, Jian-Guang LOU and Biqing Huang 6505

Synchronous Double-channel Recurrent Network for Aspect-Opinion Pair Extraction
Shaowei Chen, Jie Liu, Yu Wang, Wenzheng Zhang and Ziming Chi 6515

Cross-modal Coherence Modeling for Caption Generation
Malihe Alikhani, Piyush Sharma, Shengjie Li, Radu Soricut and Matthew Stone 6525

Knowledge Supports Visual Language Grounding: A Case Study on Colour Terms
Simeon Schüz and Sina Zarrieß 6536

Span-based Localizing Network for Natural Language Video Localization
Hao Zhang, Aixin Sun, Wei Jing and Joey Tianyi Zhou 6543

Words Aren't Enough, Their Order Matters: On the Robustness of Grounding Visual Referring Expressions
Arjun Akula, Spandana Gella, Yaser Al-Onaizan, Song-Chun Zhu and Siva Reddy 6555

A Mixture of h - 1 Heads is Better than h Heads
Hao Peng, Roy Schwartz, Dianqi Li and Noah A. Smith 6566

Dependency Graph Enhanced Dual-transformer Structure for Aspect-based Sentiment Classification
Hao Tang, Donghong Ji, Chenliang Li and Qiji Zhou 6578

Differentiable Window for Dynamic Local Attention
Thanh-Tung Nguyen, Xuan-Phi Nguyen, Shafiq Joty and Xiaoli Li 6589

Evaluating and Enhancing the Robustness of Neural Network-based Dependency Parsing Models with Adversarial Examples
Xiaoqing Zheng, Jiehang Zeng, Yi Zhou, Cho-Jui Hsieh, Minhao Cheng and Xuanjing Huang6600

Exploiting Syntactic Structure for Better Language Modeling: A Syntactic Distance Approach
Wenyu Du, Zhouhan Lin, Yikang Shen, Timothy J. O'Donnell, Yoshua Bengio and Yue Zhang6611

Learning Architectures from an Extended Search Space for Language Modeling
Yinqiao Li, Chi Hu, Yuhao Zhang, Nuo Xu, Yufan Jiang, Tong Xiao, Jingbo Zhu, Tongran Liu and changliang li 6629

The Right Tool for the Job: Matching Model and Instance Complexities
Roy Schwartz, Gabriel Stanovsky, Swabha Swayamdipta, Jesse Dodge and Noah A. Smith . . 6640

Bootstrapping Techniques for Polysynthetic Morphological Analysis
William Lane and Steven Bird 6652

Coupling Distant Annotation and Adversarial Training for Cross-Domain Chinese Word Segmentation
Ning Ding, Dingkun Long, Guangwei Xu, Muhua Zhu, Pengjun Xie, Xiaobin Wang and Haitao Zheng 6662

Modeling Morphological Typology for Unsupervised Learning of Language Morphology
Hongzhi Xu, Jordan Kodner, Mitchell Marcus and Charles Yang 6672

Predicting Declension Class from Form and Meaning
Adina Williams, Tiago Pimentel, Hagen Blix, Arya D. McCarthy, Eleanor Chodroff and Ryan Cotterell 6682

Unsupervised Morphological Paradigm Completion
Huiming Jin, Liwei Cai, Yihui Peng, Chen Xia, Arya McCarthy and Katharina Kann 6696

Document Modeling with Graph Attention Networks for Multi-grained Machine Reading Comprehension
Bo Zheng, Haoyang Wen, Yaobo Liang, Nan Duan, Wanxiang Che, Daxin Jiang, Ming Zhou and Ting Liu 6708

Harvesting and Refining Question-Answer Pairs for Unsupervised QA
Zhongli Li, Wenhui Wang, Li Dong, Furu Wei and Ke Xu 6719

Low-Resource Generation of Multi-hop Reasoning Questions
Jianxing Yu, Wei Liu, Shuang Qiu, Qinliang Su, Kai Wang, Xiaojun Quan and Jian Yin 6729

R4C: A Benchmark for Evaluating RC Systems to Get the Right Answer for the Right Reason
Naoya Inoue, Pontus Stenetorp and Kentaro Inui 6740

Recurrent Chunking Mechanisms for Long-Text Machine Reading Comprehension
Hongyu Gong, Yelong Shen, Dian Yu, Jianshu Chen and Dong Yu 6751

RikiNet: Reading Wikipedia Pages for Natural Question Answering
Dayiheng Liu, Yeyun Gong, Jie Fu, Yu Yan, Jiusheng Chen, Daxin Jiang, Jiancheng Lv and Nan Duan 6762

Parsing into Variable-in-situ Logico-Semantic Graphs
Yufei Chen and Weiwei Sun 6772

Semantic Parsing for English as a Second Language
Yuanyuan Zhao, Weiwei Sun, junjie cao and Xiaojun Wan 6783

Semi-Supervised Semantic Dependency Parsing Using CRF Autoencoders
Zixia Jia, Youmi Ma, Jiong Cai and Kewei Tu 6795

Unsupervised Dual Paraphrasing for Two-stage Semantic Parsing
Ruisheng Cao, Su Zhu, Chenyu Yang, Chen Liu, Rao Ma, Yanbin Zhao, Lu Chen and Kai Yu 6806

DRTS Parsing with Structure-Aware Encoding and Decoding
Qiankun Fu, Yue Zhang, Jiangming Liu and Meishan Zhang 6818

A Two-Stage Masked LM Method for Term Set Expansion
Guy Kushilevitz, Shaul Markovitch and Yoav Goldberg 6829

FLAT: Chinese NER Using Flat-Lattice Transformer
Xiaonan Li, Hang Yan, Xipeng Qiu and Xuanjing Huang 6836

Improving Entity Linking through Semantic Reinforced Entity Embeddings
Feng Hou, Ruili Wang, Jun He and Yi Zhou 6843

Document Translation vs. Query Translation for Cross-Lingual Information Retrieval in the Medical Domain
Shadi Saleh and Pavel Pecina 6849

Learning Robust Models for e-Commerce Product Search
Thanh Nguyen, Nikhil Rao and Karthik Subbian 6861

Generalized Entropy Regularization or: There's Nothing Special about Label Smoothing
Clara Meister, Elizabeth Salesky and Ryan Cotterell 6870

Highway Transformer: Self-Gating Enhanced Self-Attentive Networks
Yekun Chai, Shuo Jin and Xinwen Hou 6887

Low-Dimensional Hyperbolic Knowledge Graph Embeddings
Ines Chami, Adva Wolf, Da-Cheng Juan, Frederic Sala, Sujith Ravi and Christopher Ré 6901

Classification-Based Self-Learning for Weakly Supervised Bilingual Lexicon Induction
Mladen Karan, Ivan Vulić, Anna Korhonen and Goran Glavaš 6915

Gender in Danger? Evaluating Speech Translation Technology on the MuST-SHE Corpus
Luisa Bentivogli, Beatrice Savoldi, Matteo Negri, Mattia A. Di Gangi, Roldano Cattoni and Marco Turchi 6923

Uncertainty-Aware Curriculum Learning for Neural Machine Translation
Yikai Zhou, Baosong Yang, Derek F. Wong, Yu Wan and Lidia S. Chao 6934

Closing the Gap: Joint De-Identification and Concept Extraction in the Clinical Domain
Lukas Lange, Heike Adel and Jannik Strötgen 6945

CorefQA: Coreference Resolution as Query-based Span Prediction
Wei Wu, Fei Wang, Arianna Yuan, Fei Wu and Jiwei Li 6953

Estimating predictive uncertainty for rumour verification models
Elena Kochkina and Maria Liakata 6964

From Zero to Hero: Human-In-The-Loop Entity Linking in Low Resource Domains
Jan-Christoph Klie, Richard Eckart de Castilho and Iryna Gurevych 6982

Language to Network: Conditional Parameter Adaptation with Natural Language Descriptions
Tian Jin, Zhun Liu, Shengjia Yan, Alexandre Eichenberger and Louis-Philippe Morency 6994

Controlled Crowdsourcing for High-Quality QA-SRL Annotation
Paul Roit, Ayal Klein, Daniela Stepanov, Jonathan Mamou, Julian Michael, Gabriel Stanovsky, Luke Zettlemoyer and Ido Dagan 7008

Cross-Lingual Semantic Role Labeling with High-Quality Translated Training Corpus
Hao Fei, Meishan Zhang and Donghong Ji 7014

Sentence Meta-Embeddings for Unsupervised Semantic Textual Similarity
Nina Poerner, Ulli Waltinger and Hinrich Schütze 7027

Transition-based Semantic Dependency Parsing with Pointer Networks
Daniel Fernández-González and Carlos Gómez-Rodríguez 7035

tBERT: Topic Models and BERT Joining Forces for Semantic Similarity Detection
Nicole Peinelt, Dong Nguyen and Maria Liakata 7047

Conditional Augmentation for Aspect Term Extraction via Masked Sequence-to-Sequence Generation
Kun Li, Chengbo Chen, Xiaojun Quan, Qing Ling and Yan Song 7056

Exploiting Personal Characteristics of Debaters for Predicting Persuasiveness
Khalid Al Khatib, Michael Völske, Shahbaz Syed, Nikolay Kolyada and Benno Stein 7067

Out of the Echo Chamber: Detecting Countering Debate Speeches
Matan Orbach, Yonatan Bilu, Assaf Toledo, Dan Lahav, Michal Jacovi, Ranit Aharonov and Noam Slonim 7073

Diversifying Dialogue Generation with Non-Conversational Text
Hui Su, Xiaoyu Shen, Sanqiang Zhao, Zhou Xiao, Pengwei Hu, randy zhong, Cheng Niu and Jie Zhou 7087

KdConv: A Chinese Multi-domain Dialogue Dataset Towards Multi-turn Knowledge-driven Conversation
Hao Zhou, Chujie Zheng, Kaili Huang, Minlie Huang and Xiaoyan Zhu 7098

Meta-Reinforced Multi-Domain State Generator for Dialogue Systems
Yi Huang, Junlan Feng, Min Hu, Xiaoting Wu, Xiaoyu Du and Shuo Ma 7109

Modeling Long Context for Task-Oriented Dialogue State Generation
Jun Quan and Deyi Xiong 7119

Multi-Domain Dialogue Acts and Response Co-Generation
Kai Wang, Junfeng Tian, Rui Wang, Xiaojun Quan and Jianxing Yu 7125

Exploring Contextual Word-level Style Relevance for Unsupervised Style Transfer
Chulun Zhou, Liangyu Chen, Jiachen Liu, Xinyan Xiao, Jinsong Su, Sheng Guo and Hua Wu 7135

Heterogeneous Graph Transformer for Graph-to-Sequence Learning
Shaowei Yao, Tianming Wang and Xiaojun Wan 7145

Neural Data-to-Text Generation via Jointly Learning the Segmentation and Correspondence
Xiaoyu Shen, Ernie Chang, Hui Su, Cheng Niu and Dietrich Klakow 7155

Aligned Dual Channel Graph Convolutional Network for Visual Question Answering
Qingbao Huang, Jielong Wei, Yi Cai, Changmeng Zheng, Junying Chen, Ho-fung Leung and Qing Li 7166

Multimodal Neural Graph Memory Networks for Visual Question Answering
Mahmoud Khademi 7177

Refer360°: A Referring Expression Recognition Dataset in 360° Images
Volkan Cirik, Taylor Berg-Kirkpatrick and Louis-Philippe Morency 7189

CamemBERT: a Tasty French Language Model
Louis Martin, Benjamin Muller, Pedro Javier Ortiz Suárez, Yoann Dupont, Laurent Romary, Éric de la Clergerie, Djamé Seddah and Benoît Sagot 7203

Effective Estimation of Deep Generative Language Models
Tom Pelsmaeker and Wilker Aziz 7220

Null It Out: Guarding Protected Attributes by Iterative Nullspace Projection
Shauli Ravfogel, Yanai Elazar, Hila Gonen, Michael Twiton and Yoav Goldberg 7237

2kenize: Tying Subword Sequences for Chinese Script Conversion
Pranav A and Isabelle Augenstein 7257

Predicting the Growth of Morphological Families from Social and Linguistic Factors
Valentin Hofmann, Janet Pierrehumbert and Hinrich Schütze 7273

Semi-supervised Contextual Historical Text Normalization
Peter Makarov and Simon Clematide 7284

ClarQ: A large-scale and diverse dataset for Clarification Question Generation
Vaibhav Kumar and Alan W Black 7296

DoQA - Accessing Domain-Specific FAQs via Conversational QA
Jon Ander Campos, Arantxa Otegi, Aitor Soroa, Jan Deriu, Mark Cieliebak and Eneko Agirre 7302

MLQA: Evaluating Cross-lingual Extractive Question Answering
Patrick Lewis, Barlas Oguz, Ruty Rinott, Sebastian Riedel and Holger Schwenk 7315

Multi-source Meta Transfer for Low Resource Multiple-Choice Question Answering
Ming Yan, Hao Zhang, Di Jin and Joey Tianyi Zhou 7331

Fine-grained Fact Verification with Kernel Graph Attention Network
Zhenghao Liu, Chenyan Xiong, Maosong Sun and Zhiyuan Liu 7342

Generating Fact Checking Explanations
Pepa Atanasova, Jakob Grue Simonsen, Christina Lioma and Isabelle Augenstein 7352

Premise Selection in Natural Language Mathematical Texts
Deborah Ferreira and André Freitas 7365

A Call for More Rigor in Unsupervised Cross-lingual Learning
Mikel Artetxe, Sebastian Ruder, Dani Yogatama, Gorka Labaka and Eneko Agirre 7375

A Tale of a Probe and a Parser
Rowan Hall Maudslay, Josef Valvoda, Tiago Pimentel, Adina Williams and Ryan Cotterell . . 7389

From SPMRL to NMRL: What Did We Learn (and Unlearn) in a Decade of Parsing Morphologically-Rich Languages (MRLs)?
Reut Tsarfaty, Dan Bareket, Stav Klein and Amit Seker 7396

Speech Translation and the End-to-End Promise: Taking Stock of Where We Are
Matthias Sperber and Matthias Paulik 7409

What Question Answering can Learn from Trivia Nerds
Jordan Boyd-Graber and Benjamin Börschinger 7422

What are the Goals of Distributional Semantics?
Guy Emerson 7436

Improving Image Captioning with Better Use of Caption
Zhan Shi, Xu Zhou, Xipeng Qiu and Xiaodan Zhu 7454

Shape of Synth to Come: Why We Should Use Synthetic Data for English Surface Realization
Henry Elder, Robert Burke, Alexander O'Connor and Jennifer Foster 7465

Toward Better Storylines with Sentence-Level Language Models
Daphne Ippolito, David Grangier, Douglas Eck and Chris Callison-Burch 7472

A Two-Step Approach for Implicit Event Argument Detection
Zhisong Zhang, Xiang Kong, Zhengzhong Liu, Xuezhe Ma and Eduard Hovy 7479

Machine Reading of Historical Events
Or Honovich, Lucas Torroba Hennigen, Omri Abend and Shay B. Cohen 7486

Revisiting Unsupervised Relation Extraction
Thy Thy Tran, Phong Le and Sophia Ananiadou 7498

SciREX: A Challenge Dataset for Document-Level Information Extraction
Sarthak Jain, Madeleine van Zuylen, Hannaneh Hajishirzi and Iz Beltagy 7506

Contrastive Self-Supervised Learning for Commonsense Reasoning
Tassilo Klein and Moin Nabi 7517

Do Transformers Need Deep Long-Range Memory?
Jack Rae and Ali Razavi 7524

Improving Disentangled Text Representation Learning with Information-Theoretic Guidance
Pengyu Cheng, Martin Renqiang Min, Dinghan Shen, Christopher Malon, Yizhe Zhang, Yitong Li and Lawrence Carin 7530

Understanding Advertisements with BERT
Kanika Kalra, Bhargav Kurma, Silpa Vadakkeeveetil Sreelatha, Manasi Patwardhan and Shirish Karande 7542

Non-Linear Instance-Based Cross-Lingual Mapping for Non-Isomorphic Embedding Spaces
Goran Glavaš and Ivan Vulić 7548

Good-Enough Compositional Data Augmentation
Jacob Andreas 7556

RAT-SQL: Relation-Aware Schema Encoding and Linking for Text-to-SQL Parsers
Bailin Wang, Richard Shin, Xiaodong Liu, Oleksandr Polozov and Matthew Richardson 7567

Temporal Common Sense Acquisition with Minimal Supervision
Ben Zhou, Qiang Ning, Daniel Khashabi and Dan Roth 7579

The Sensitivity of Language Models and Humans to Winograd Schema Perturbations
Mostafa Abdou, Vinit Ravishankar, Maria Barrett, Yonatan Belinkov, Desmond Elliott and Anders Søgaard 7590

Temporally-Informed Analysis of Named Entity Recognition
Shruti Rijhwani and Daniel Preotiuc-Pietro 7605

Towards Open Domain Event Trigger Identification using Adversarial Domain Adaptation
Aakanksha Naik and Carolyn Rose 7618

CompGuessWhat?!: A Multi-task Evaluation Framework for Grounded Language Learning
Alessandro Suglia, Ioannis Konstas, Andrea Vanzo, Emanuele Bastianelli, Desmond Elliott, Stella Frank and Oliver Lemon 7625

Cross-Modality Relevance for Reasoning on Language and Vision
Chen Zheng, Quan Guo and Parisa Kordjamshidi 7642

Learning Web-based Procedures by Reasoning over Explanations and Demonstrations in Context
Shashank Srivastava, Oleksandr Polozov, Nebojsa Jojic and Christopher Meek 7652

Multi-agent Communication meets Natural Language: Synergies between Functional and Structural Language Learning
Angeliki Lazaridou, Anna Potapenko and Olivier Tieleman 7663

HAT: Hardware-Aware Transformers for Efficient Natural Language Processing
Hanrui Wang, Zhanghao Wu, Zhijian Liu, Han Cai, Ligeng Zhu, Chuang Gan and Song Han . 7675

Hard-Coded Gaussian Attention for Neural Machine Translation
Weiqiu You, Simeng Sun and Mohit Iyyer 7689

In Neural Machine Translation, What Does Transfer Learning Transfer?
Alham Fikri Aji, Nikolay Bogoychev, Kenneth Heafield and Rico Sennrich 7701

Learning a Multi-Domain Curriculum for Neural Machine Translation
Wei Wang, Ye Tian, Jiquan Ngiam, Yinfei Yang, Isaac Caswell and Zarana Parekh 7711

Reducing Gender Bias in Neural Machine Translation as a Domain Adaptation Problem
Danielle Saunders and Bill Byrne 7724

Translationese as a Language in "Multilingual" NMT
Parker Riley, Isaac Caswell, Markus Freitag and David Grangier 7737

Unsupervised Domain Clusters in Pretrained Language Models
Roee Aharoni and Yoav Goldberg 7747

Using Context in Neural Machine Translation Training Objectives
Danielle Saunders, Felix Stahlberg and Bill Byrne 7764

Variational Neural Machine Translation with Normalizing Flows
Hendra Setiawan, Matthias Sperber, Udhyakumar Nallasamy and Matthias Paulik 7771

The Paradigm Discovery Problem
Alexander Erdmann, Micha Elsner, Shijie Wu, Ryan Cotterell and Nizar Habash 7778

Supervised Grapheme-to-Phoneme Conversion of Orthographic Schwas in Hindi and Punjabi
Aryaman Arora, Luke Gessler and Nathan Schneider 7791

Automated Evaluation of Writing – 50 Years and Counting
Beata Beigman Klebanov and Nitin Madnani 7796

Negated and Misprimed Probes for Pretrained Language Models: Birds Can Talk, But Cannot Fly
Nora Kassner and Hinrich Schütze 7811

On Forgetting to Cite Older Papers: An Analysis of the ACL Anthology
Marcel Bollmann and Desmond Elliott 7819

Returning the N to NLP: Towards Contextually Personalized Classification Models
Lucie Flek 7828

To Test Machine Comprehension, Start by Defining Comprehension
Jesse Dunietz, Greg Burnham, Akash Bharadwaj, Owen Rambow, Jennifer Chu-Carroll and Dave Ferrucci 7839

Gender Gap in Natural Language Processing Research: Disparities in Authorship and Citations
Saif M. Mohammad 7860

BART: Denoising Sequence-to-Sequence Pre-training for Natural Language Generation, Translation, and Comprehension
Mike Lewis, Yinhan Liu, Naman Goyal, Marjan Ghazvininejad, Abdelrahman Mohamed, Omer Levy, Veselin Stoyanov and Luke Zettlemoyer 7871

BLEURT: Learning Robust Metrics for Text Generation
Thibault Sellam, Dipanjan Das and Ankur Parikh 7881

Distilling Knowledge Learned in BERT for Text Generation
Yen-Chun Chen, Zhe Gan, Yu Cheng, Jingzhou Liu and Jingjing Liu 7893

ESPRIT: Explaining Solutions to Physical Reasoning Tasks
Nazneen Fatema Rajani, Rui Zhang, Yi Chern Tan, Stephan Zheng, Jeremy Weiss, Aadit Vyas, Abhijit Gupta, Caiming Xiong, Richard Socher and Dragomir Radev 7906

Iterative Edit-Based Unsupervised Sentence Simplification
Dhruv Kumar, Lili Mou, Lukasz Golab and Olga Vechtomova 7918

Logical Natural Language Generation from Open-Domain Tables
Wenhu Chen, Jianshu Chen, Yu Su, Zhiyu Chen and William Yang Wang 7929

Neural CRF Model for Sentence Alignment in Text Simplification
Chao Jiang, Mounica Maddela, Wuwei Lan, Yang Zhong and Wei Xu 7943

One Size Does Not Fit All: Generating and Evaluating Variable Number of Keyphrases
Xingdi Yuan, Tong Wang, Rui Meng, Khushboo Thaker, Peter Brusilovsky, Daqing He and Adam Trischler 7961

R^3: Reverse, Retrieve, and Rank for Sarcasm Generation with Commonsense Knowledge
Tuhin Chakrabarty, Debanjan Ghosh, Smaranda Muresan and Nanyun Peng 7976

Structural Information Preserving for Graph-to-Text Generation
Linfeng Song, Ante Wang, Jinsong Su, Yue Zhang, Kun Xu, Yubin Ge and Dong Yu 7987

A Joint Neural Model for Information Extraction with Global Features
Ying Lin, Heng Ji, Fei Huang and Lingfei Wu 7999

Document-Level Event Role Filler Extraction using Multi-Granularity Contextualized Encoding
Xinya Du and Claire Cardie 8010

Exploiting the Syntax-Model Consistency for Neural Relation Extraction
Amir Pouran Ben Veyseh, Franck Dernoncourt, Dejing Dou and Thien Huu Nguyen 8021

From English to Code-Switching: Transfer Learning with Strong Morphological Clues
Gustavo Aguilar and Thamar Solorio 8033

Learning Interpretable Relationships between Entities, Relations and Concepts via Bayesian Structure Learning on Open Domain Facts
Jingyuan Zhang, Mingming Sun, Yue Feng and Ping Li 8045

Multi-Sentence Argument Linking
Seth Ebner, Patrick Xia, Ryan Culkin, Kyle Rawlins and Benjamin Van Durme 8057

Rationalizing Medical Relation Prediction from Corpus-level Statistics
Zhen Wang, Jennifer Lee, Simon Lin and Huan Sun 8078

Sources of Transfer in Multilingual Named Entity Recognition
David Mueller, Nicholas Andrews and Mark Dredze 8093

ZeroShotCeres: Zero-Shot Relation Extraction from Semi-Structured Webpages
Colin Lockard, Prashant Shiralkar, Xin Luna Dong and Hannaneh Hajishirzi 8105

Soft Gazetteers for Low-Resource Named Entity Recognition
Shruti Rijhwani, Shuyan Zhou, Graham Neubig and Jaime Carbonell 8118

A Prioritization Model for Suicidality Risk Assessment
Han-Chin Shing, Philip Resnik and Douglas Oard 8124

CluHTM - Semantic Hierarchical Topic Modeling based on CluWords
Felipe Viegas, Washington Cunha, Christian Gomes, Antônio Pereira, Leonardo Rocha and Marcos Goncalves 8138

Empower Entity Set Expansion via Language Model Probing
Yunyi Zhang, Jiaming Shen, Jingbo Shang and Jiawei Han 8151

Feature Projection for Improved Text Classification
Qi Qin, Wenpeng Hu and Bing Liu 8161

A negative case analysis of visual grounding methods for VQA
Robik Shrestha, Kushal Kafle and Christopher Kanan 8172

History for Visual Dialog: Do we really need it?
Shubham Agarwal, Trung Bui, Joon-Young Lee, Ioannis Konstas and Verena Rieser 8182

Mapping Natural Language Instructions to Mobile UI Action Sequences
Yang Li, Jiacong He, Xin Zhou, Yuan Zhang and Jason Baldridge 8198

TVQA+: Spatio-Temporal Grounding for Video Question Answering
Jie Lei, Licheng Yu, Tamara Berg and Mohit Bansal 8211

Unsupervised Multimodal Neural Machine Translation with Pseudo Visual Pivoting
Po-Yao Huang, Junjie Hu, Xiaojun Chang and Alexander Hauptmann 8226

A Multitask Learning Approach for Diacritic Restoration
Sawsan Alqahtani, Ajay Mishra and Mona Diab 8238

Frugal Paradigm Completion
Alexander Erdmann, Tom Kenter, Markus Becker and Christian Schallhart 8248

Improving Chinese Word Segmentation with Wordhood Memory Networks
Yuanhe Tian, Yan Song, Fei Xia, Tong Zhang and Yonggang Wang 8274

Joint Chinese Word Segmentation and Part-of-speech Tagging via Two-way Attentions of Auto-analyzed Knowledge
Yuanhe Tian, Yan Song, Xiang Ao, Fei Xia, Xiaojun Quan, Tong Zhang and Yonggang Wang 8286

Joint Diacritization, Lemmatization, Normalization, and Fine-Grained Morphological Tagging
Nasser Zalmout and Nizar Habash 8297

Phonetic and Visual Priors for Decipherment of Informal Romanization
Maria Ryskina, Matthew R. Gormley and Taylor Berg-Kirkpatrick 8308

Active Learning for Coreference Resolution using Discrete Annotation
Belinda Z. Li, Gabriel Stanovsky and Luke Zettlemoyer 8320

Beyond Possession Existence: Duration and Co-Possession
Dhivya Chinnappa, Srikala Murugan and Eduardo Blanco 8332

Don't Stop Pretraining: Adapt Language Models to Domains and Tasks
Suchin Gururangan, Ana Marasović, Swabha Swayamdipta, Kyle Lo, Iz Beltagy, Doug Downey and Noah A. Smith 8342

Estimating Mutual Information Between Dense Word Embeddings
Vitalii Zhelezniak, Aleksandar Savkov and Nils Hammerla 8361

Exploring Unexplored Generalization Challenges for Cross-Database Semantic Parsing
Alane Suhr, Ming-Wei Chang, Peter Shaw and Kenton Lee 8372

Predicting the Focus of Negation: Model and Error Analysis
Md Mosharaf Hossain, Kathleen Hamilton, Alexis Palmer and Eduardo Blanco 8389

Structured Tuning for Semantic Role Labeling
Tao Li, Parth Anand Jawale, Martha Palmer and Vivek Srikumar 8402

TaBERT: Pretraining for Joint Understanding of Textual and Tabular Data
Pengcheng Yin, Graham Neubig, Wen-tau Yih and Sebastian Riedel 8413

Universal Decompositional Semantic Parsing
Elias Stengel-Eskin, Aaron Steven White, Sheng Zhang and Benjamin Van Durme 8427

Unsupervised Cross-lingual Representation Learning at Scale
Alexis Conneau, Kartikay Khandelwal, Naman Goyal, Vishrav Chaudhary, Guillaume Wenzek, Francisco Guzmán, Edouard Grave, Myle Ott, Luke Zettlemoyer and Veselin Stoyanov 8440

A Generate-and-Rank Framework with Semantic Type Regularization for Biomedical Concept Normalization
Dongfang Xu, Zeyu Zhang and Steven Bethard 8452

Hierarchical Entity Typing via Multi-level Learning to Rank
Tongfei Chen, Yunmo Chen and Benjamin Van Durme 8465

Multi-Domain Named Entity Recognition with Genre-Aware and Agnostic Inference
Jing Wang, Mayank Kulkarni and Daniel Preotiuc-Pietro 8476

TXtract: Taxonomy-Aware Knowledge Extraction for Thousands of Product Categories
Giannis Karamanolakis, Jun Ma and Xin Luna Dong 8489

TriggerNER: Learning with Entity Triggers as Explanations for Named Entity Recognition
Bill Yuchen Lin, Dong-Ho Lee, Ming Shen, Ryan Moreno, Xiao Huang, Prashant Shiralkar and Xiang Ren 8503

Addressing Posterior Collapse with Mutual Information for Improved Variational Neural Machine Translation
Arya D. McCarthy, Xian Li, Jiatao Gu and Ning Dong 8512

Balancing Training for Multilingual Neural Machine Translation
Xinyi Wang, Yulia Tsvetkov and Graham Neubig 8526

Evaluating Robustness to Input Perturbations for Neural Machine Translation
Xing Niu, Prashant Mathur, Georgiana Dinu and Yaser Al-Onaizan 8538

Parallel Corpus Filtering via Pre-trained Language Models
Boliang Zhang, Ajay Nagesh and Kevin Knight 8545

Regularized Context Gates on Transformer for Machine Translation
Xintong Li, Lemao Liu, Rui Wang, Guoping Huang and Max Meng 8555

A Multi-Perspective Architecture for Semantic Code Search
Rajarshi Haldar, Lingfei Wu, JinJun Xiong and Julia Hockenmaier 8563

Automated Topical Component Extraction Using Neural Network Attention Scores from Source-based Essay Scoring
Haoran Zhang and Diane Litman 8569

Clinical Concept Linking with Contextualized Neural Representations
Elliot Schumacher, Andriy Mulyar and Mark Dredze 8585

DeSePtion: Dual Sequence Prediction and Adversarial Examples for Improved Fact-Checking
Christopher Hidey, Tuhin Chakrabarty, Tariq Alhindi, Siddharth Varia, Kriste Krstovski, Mona Diab and Smaranda Muresan 8593

Let Me Choose: From Verbal Context to Font Selection
Amirreza Shirani, Franck Dernoncourt, Jose Echevarria, Paul Asente, Nedim Lipka and Thamar Solorio 8607

Multi-Label and Multilingual News Framing Analysis
Afra Feyza Akyürek, Lei Guo, Randa Elanwar, Prakash Ishwar, Margrit Betke and Derry Tanti Wijaya 8614

Predicting Performance for Natural Language Processing Tasks
Mengzhou Xia, Antonios Anastasopoulos, Ruochen Xu, Yiming Yang and Graham Neubig . . 8625

ScriptWriter: Narrative-Guided Script Generation
Yutao Zhu, Ruihua Song, Zhicheng Dou, Jian-Yun NIE and Jin Zhou 8647

Should All Cross-Lingual Embeddings Speak English?
Antonios Anastasopoulos and Graham Neubig 8658

Smart To-Do: Automatic Generation of To-Do Items from Emails
Sudipto Mukherjee, Subhabrata Mukherjee, Marcello Hasegawa, Ahmed Hassan Awadallah and Ryen White 8680

Are Natural Language Inference Models IMPPRESsive? Learning IMPlicature and PRESupposition
Paloma Jeretic, Alex Warstadt, Suvrat Bhooshan and Adina Williams 8690

End-to-End Bias Mitigation by Modelling Biases in Corpora
Rabeeh Karimi Mahabadi, Yonatan Belinkov and James Henderson 8706

Mind the Trade-off: Debiasing NLU Models without Degrading the In-distribution Performance
Prasetya Ajie Utama, Nafise Sadat Moosavi and Iryna Gurevych 8717

NILE : Natural Language Inference with Faithful Natural Language Explanations
Sawan Kumar and Partha Talukdar 8730

QuASE: Question-Answer Driven Sentence Encoding
Hangfeng He, Qiang Ning and Dan Roth 8743

Towards Robustifying NLI Models Against Lexical Dataset Biases
Xiang Zhou and Mohit Bansal 8759

Uncertain Natural Language Inference
Tongfei Chen, Zhengping Jiang, Adam Poliak, Keisuke Sakaguchi and Benjamin Van Durme 8772

Extracting Headless MWEs from Dependency Parse Trees: Parsing, Tagging, and Joint Modeling Approaches
Tianze Shi and Lillian Lee 8780

Revisiting Higher-Order Dependency Parsers
Erick Fonseca and André F. T. Martins 8795

SeqVAT: Virtual Adversarial Training for Semi-Supervised Sequence Labeling
Luoxin Chen, Weitong Ruan, Xinyue Liu and Jianhua Lu 8801

Treebank Embedding Vectors for Out-of-domain Dependency Parsing
Joachim Wagner, James Barry and Jennifer Foster 8812

Conference Program

Note: ***Papers are prefixed with a tag identifying their source: main conference long papers, [Long]; main conference short papers, [Short]; main conference demo papers, [Demo]; student research workshop papers [SRW]; Transactions of the Association for Computational Linguistics articles, [TACL]; and Computational Linguistics articles, [CL].***

Monday, July 6, 2020 UTC+0

05:00–05:45 Demo Session 1A

[Demo] Xiaomingbot: A Multilingual Robot News Reporter
Runxin Xu, Jun Cao, Mingxuan Wang, Jiaze Chen, Hao Zhou, Ying Zeng, Yuping Wang, Li Chen, Xiang Yin, Xijin Zhang, Songcheng Jiang, Yuxuan Wang and Lei Li

05:00–06:00 Session 1A Cognitive Modeling and Psycholinguistics-1

[TACL] How Furiously Can Colourless Green Ideas Sleep? Sentence Acceptability in Context
Jey Han Lau, Carlos Santos Armendariz, Matthew Purver, Chang Shu, Shalom Lappin

[Short] Learning to Understand Child-directed and Adult-directed Speech
Lieke Gelderloos, Grzegorz Chrupała and Afra Alishahi

[Long] Predicting Depression in Screening Interviews from Latent Categorization of Interview Prompts
Alex Rinaldi, Jean Fox Tree and Snigdha Chaturvedi

05:00–06:00 Session 1A Dialogue and Interactive Systems-1

[Short] Coach: A Coarse-to-Fine Approach for Cross-domain Slot Filling
Zihan Liu, Genta Indra Winata, Peng Xu and Pascale Fung

[Short] Designing Precise and Robust Dialogue Response Evaluators
Tianyu Zhao, Divesh Lala and Tatsuya Kawahara

[Short] Dialogue State Tracking with Explicit Slot Connection Modeling
Yawen Ouyang, Moxin Chen, Xinyu Dai, Yinggong Zhao, Shujian Huang and Jiajun CHEN

[Long] Generating Informative Conversational Response using Recurrent Knowledge-Interaction and Knowledge-Copy
Xiexiong Lin, Weiyu Jian, Jianshan He, Taifeng Wang and Wei Chu

[Long] Guiding Variational Response Generator to Exploit Persona
Bowen Wu, MengYuan Li, Zongsheng Wang, Yifu Chen, Derek F. Wong, qihang feng, Junhong Huang and Baoxun Wang

[Long] Large Scale Multi-Actor Generative Dialog Modeling
Alex Boyd, Raul Puri, Mohammad Shoeybi, Mostofa Patwary and Bryan Catanzaro

[Long] PLATO: Pre-trained Dialogue Generation Model with Discrete Latent Variable
Siqi Bao, Huang He, Fan Wang, Hua Wu and Haifeng Wang

[Long] Slot-consistent NLG for Task-oriented Dialogue Systems with Iterative Rectification Network
Yangming Li, Kaisheng Yao, Libo Qin, Wanxiang Che, Xiaolong Li and Ting Liu

[Short] Span-ConveRT: Few-shot Span Extraction for Dialog with Pretrained Conversational Representations
Samuel Coope, Tyler Farghly, Daniela Gerz, Ivan Vulić and Matthew Henderson

[Long] Zero-Shot Transfer Learning with Synthesized Data for Multi-Domain Dialogue State Tracking
Giovanni Campagna, Agata Foryciarz, Mehrad Moradshahi and Monica Lam

05:00–06:00 Session 1A Discourse and Pragmatics-1

[Short] A Complete Shift-Reduce Chinese Discourse Parser with Robust Dynamic Oracle
Shyh-Shiun Hung, Hen-Hsen Huang and Hsin-Hsi Chen

[Long] TransS-Driven Joint Learning Architecture for Implicit Discourse Relation Recognition
Ruifang He, Jian Wang, Fengyu Guo and Yugui Han

Monday, July 6, 2020 UTC+0 (continued)

05:00–06:00 Session 1A Generation-1

[Long] A Study of Non-autoregressive Model for Sequence Generation
Yi Ren, Jinglin Liu, Xu Tan, Zhou Zhao, sheng zhao and Tie-Yan Liu

[Long] Cross-modal Language Generation using Pivot Stabilization for Web-scale Language Coverage
Ashish V. Thapliyal and Radu Soricut

[Long] Fact-based Text Editing
Hayate Iso, Chao Qiao and Hang Li

[Short] Few-Shot NLG with Pre-Trained Language Model
Zhiyu Chen, Harini Eavani, Wenhu Chen, Yinyin Liu and William Yang Wang

[Long] Fluent Response Generation for Conversational Question Answering
Ashutosh Baheti, Alan Ritter and Kevin Small

[Long] Generating Diverse and Consistent QA pairs from Contexts with Information-Maximizing Hierarchical Conditional VAEs
Dong Bok Lee, Seanie Lee, Woo Tae Jeong, Donghwan Kim and Sung Ju Hwang

[Long] Learning to Ask More: Semi-Autoregressive Sequential Question Generation under Dual-Graph Interaction
Zi Chai and Xiaojun Wan

[Long] Neural Syntactic Preordering for Controlled Paraphrase Generation
Tanya Goyal and Greg Durrett

[Long] Pre-train and Plug-in: Flexible Conditional Text Generation with Variational Auto-Encoders
Yu Duan, Canwen Xu, Jiaxin Pei, Jialong Han and Chenliang Li

[Long] Probabilistically Masked Language Model Capable of Autoregressive Generation in Arbitrary Word Order
Yi Liao, Xin Jiang and Qun Liu

[Short] Reverse Engineering Configurations of Neural Text Generation Models
Yi Tay, Dara Bahri, Che Zheng, Clifford Brunk, Donald Metzler and Andrew Tomkins

[Long] Review-based Question Generation with Adaptive Instance Transfer and Augmentation
Qian Yu, Lidong Bing, Qiong Zhang, Wai Lam and Luo Si

[Long] TAG : Type Auxiliary Guiding for Code Comment Generation
Ruichu Cai, Zhihao Liang, Boyan Xu, zijian li, Yuexing Hao and Yao Chen

[Long] Unsupervised Paraphrasing by Simulated Annealing
Xianggen Liu, Lili Mou, Fandong Meng, Hao Zhou, Jie Zhou and Sen Song

05:00–06:00 Session 1A Information Retrieval and Text Mining-1

[Long] A Joint Model for Document Segmentation and Segment Labeling
Joe Barrow, Rajiv Jain, Vlad Morariu, Varun Manjunatha, Douglas Oard and Philip Resnik

[Long] Contextualized Weak Supervision for Text Classification
Dheeraj Mekala and Jingbo Shang

[Short] Every Document Owns Its Structure: Inductive Text Classification via Graph Neural Networks
Yufeng Zhang, Xueli Yu, Zeyu Cui, Shu Wu, Zhongzhen Wen and Liang Wang

[Long] Neural Topic Modeling with Bidirectional Adversarial Training
Rui Wang, Xuemeng Hu, Deyu Zhou, Yulan He, Yuxuan Xiong, Chenchen Ye and Haiyang Xu

[Short] Text Classification with Negative Supervision
Sora Ohashi, Junya Takayama, Tomoyuki Kajiwara, Chenhui Chu and Yuki Arase

05:00–06:00 Session 1A Machine Translation-1

[Short] Content Word Aware Neural Machine Translation
Kehai Chen, Rui Wang, Masao Utiyama and Eiichiro Sumita

[Long] Evaluating Explanation Methods for Neural Machine Translation
Jierui Li, Lemao Liu, Huayang Li, Guanlin Li, Guoping Huang and Shuming Shi

[Long] Jointly Masked Sequence-to-Sequence Model for Non-Autoregressive Neural Machine Translation
Junliang Guo, Linli Xu and Enhong Chen

[Long] Learning Source Phrase Representations for Neural Machine Translation
Hongfei Xu, Josef van Genabith, Deyi Xiong, Qiuhui Liu and Jingyi Zhang

[Short] Lipschitz Constrained Parameter Initialization for Deep Transformers
Hongfei Xu, Qiuhui Liu, Josef van Genabith, Deyi Xiong and Jingyi Zhang

[Long] Location Attention for Extrapolation to Longer Sequences
Yann Dubois, Gautier Dagan, Dieuwke Hupkes and Elia Bruni

[Long] Multiscale Collaborative Deep Models for Neural Machine Translation
Xiangpeng Wei, Heng Yu, Yue Hu, Yue Zhang, Rongxiang Weng and Weihua Luo

[Long] Norm-Based Curriculum Learning for Neural Machine Translation
Xuebo Liu, Houtim Lai, Derek F. Wong and Lidia S. Chao

[Short] Opportunistic Decoding with Timely Correction for Simultaneous Translation
Renjie Zheng, Mingbo Ma, Baigong Zheng, Kaibo Liu and Liang Huang

05:00–06:00 Session 1A Theory and Formalism in NLP (Linguistic and Mathematical)-1

[Long] A Formal Hierarchy of RNN Architectures
William Merrill, Gail Weiss, Yoav Goldberg, Roy Schwartz, Noah A. Smith and Eran Yahav

[Short] A Three-Parameter Rank-Frequency Relation in Natural Languages
Chenchen Ding, Masao Utiyama and Eiichiro Sumita

[Long] Dice Loss for Data-imbalanced NLP Tasks
Xiaoya Li, Xiaofei Sun, Yuxian Meng, Junjun Liang, Fei Wu and Jiwei Li

[Long] Emergence of Syntax Needs Minimal Supervision
Raphaël Bailly and Kata Gábor

[Long] Language Models as an Alternative Evaluator of Word Order Hypotheses: A Case Study in Japanese
Tatsuki Kuribayashi, Takumi Ito, Jun Suzuki and Kentaro Inui

[TACL] Theoretical Limitations of Self-Attention in Neural Sequence Models
Michael Hahn

05:00–06:00 Session 1A Student Research Workshop

[SRW] Adaptive Transformers for Learning Multimodal Representations
Prajjwal Bhargava

[SRW] Story-level Text Style Transfer: A Proposal
Yusu Qian

[SRW] Unsupervised Paraphasia Classification in Aphasic Speech
Sharan Pai, Nikhil Sachdeva, Prince Sachdeva and Rajiv Ratn Shah

[SRW] HGCN4MeSH: Hybrid Graph Convolution Network for MeSH Indexing
Miaomiao Yu, Yujiu Yang and Chenhui Li

05:45–06:30 Demo Session 1B

[Demo] TextBrewer: An Open-Source Knowledge Distillation Toolkit for Natural Language Processing
Ziqing Yang, Yiming Cui, Zhipeng Chen, Wanxiang Che, Ting Liu, Shijin Wang and Guoping Hu

06:00–07:00 Session 1B Computational Social Science and Social Media-1

[Long] GCAN: Graph-aware Co-Attention Networks for Explainable Fake News Detection on Social Media
Yi-Ju Lu and Cheng-Te Li

[Long] Integrating Semantic and Structural Information with Graph Convolutional Network for Controversy Detection
Lei Zhong, Juan Cao, Qiang Sheng, Junbo Guo and Ziang Wang

[Long] Predicting the Topical Stance and Political Leaning of Media using Tweets
Peter Stefanov, Kareem Darwish, Atanas Atanasov and Preslav Nakov

[Long] Simple, Interpretable and Stable Method for Detecting Words with Usage Change across Corpora
Hila Gonen, Ganesh Jawahar, Djamé Seddah and Yoav Goldberg

06:00–07:00 Session 1B Dialogue and Interactive Systems-2

[Long] CDL: Curriculum Dual Learning for Emotion-Controllable Response Generation
Lei Shen and Yang Feng

[TACL] CrossWOZ: A Large-Scale Chinese Cross-Domain Task-Oriented Dialogue Dataset
Qi Zhu, Kaili Huang, Zheng Zhang, Xiaoyan Zhu, Minlie Huang

[Long] Efficient Dialogue State Tracking by Selectively Overwriting Memory
Sungdong Kim, Sohee Yang, Gyuwan Kim and Sang-Woo Lee

[Long] End-to-End Neural Pipeline for Goal-Oriented Dialogue Systems using GPT-2
Donghoon Ham, Jeong-Gwan Lee, Youngsoo Jang and Kee-Eung Kim

[Short] Evaluating Dialogue Generation Systems via Response Selection
Shiki Sato, Reina Akama, Hiroki Ouchi, Jun Suzuki and Kentaro Inui

[Long] Gated Convolutional Bidirectional Attention-based Model for Off-topic Spoken Response Detection
Yefei Zha, Ruobing Li and Hui Lin

[Short] Learning Low-Resource End-To-End Goal-Oriented Dialog for Fast and Reliable System Deployment
Yinpei Dai, Hangyu Li, Chengguang Tang, Yongbin Li, Jian Sun and Xiaodan Zhu

[Short] Learning to Tag OOV Tokens by Integrating Contextual Representation and Background Knowledge
Keqing He, Yuanmeng Yan and Weiran XU

[Long] Multi-Agent Task-Oriented Dialog Policy Learning with Role-Aware Reward Decomposition
Ryuichi Takanobu, Runze Liang and Minlie Huang

[Long] Paraphrase Augmented Task-Oriented Dialog Generation
Silin Gao, Yichi Zhang, Zhijian Ou and Zhou Yu

[Long] Response-Anticipated Memory for On-Demand Knowledge Integration in Response Generation
Zhiliang Tian, Wei Bi, Dongkyu Lee, Lanqing Xue, YIPING SONG, Xiaojiang Liu and Nevin L. Zhang

[Long] Semi-Supervised Dialogue Policy Learning via Stochastic Reward Estimation
Xinting Huang, Jianzhong Qi, Yu Sun and Rui Zhang

[Long] Towards Unsupervised Language Understanding and Generation by Joint Dual Learning
Shang-Yu Su, Chao-Wei Huang and Yun-Nung Chen

[Long] USR: An Unsupervised and Reference Free Evaluation Metric for Dialog Generation
Shikib Mehri and Maxine Eskenazi

06:00–07:00 Session 1B Generation-2

[Long] Explicit Semantic Decomposition for Definition Generation
Jiahuan Li, Yu Bao, Shujian Huang, Xinyu Dai and Jiajun CHEN

[Long] Improved Natural Language Generation via Loss Truncation
Daniel Kang and Tatsunori Hashimoto

[Long] Line Graph Enhanced AMR-to-Text Generation with Mix-Order Graph Attention Networks
Yanbin Zhao, Lu Chen, Zhi Chen, Ruisheng Cao, Su Zhu and Kai Yu

[Long] Rigid Formats Controlled Text Generation
Piji Li, Haisong Zhang, Xiaojiang Liu and Shuming Shi

[Long] Syn-QG: Syntactic and Shallow Semantic Rules for Question Generation
Kaustubh Dhole and Christopher D. Manning

06:00–07:00 Session 1B Information Retrieval and Text Mining-2

[Long] An Online Semantic-enhanced Dirichlet Model for Short Text Stream Clustering
Jay Kumar, Junming Shao, Salah Uddin and Wazir Ali

[Long] Generative Semantic Hashing Enhanced via Boltzmann Machines
Lin Zheng, Qinliang Su, Dinghan Shen and Changyou Chen

[Long] Interactive Construction of User-Centric Dictionary for Text Analytics
Ryosuke Kohita, Issei Yoshida, Hiroshi Kanayama and Tetsuya Nasukawa

[Short] Tree-Structured Neural Topic Model
Masaru Isonuma, Junichiro Mori, Danushka Bollegala and Ichiro Sakata

[Short] Unsupervised FAQ Retrieval with Question Generation and BERT
Yosi Mass, Boaz Carmeli, Haggai Roitman and David Konopnicki

06:00–07:00 Session 1B NLP Applications-1

[Long] "The Boating Store Had Its Best Sail Ever": Pronunciation-attentive Contextualized Pun Recognition
Yichao Zhou, Jyun-Yu Jiang, Jieyu Zhao, Kai-Wei Chang and Wei Wang

[Long] Fast and Accurate Deep Bidirectional Language Representations for Unsupervised Learning
Joongbo Shin, Yoonhyung Lee, Seunghyun Yoon and Kyomin Jung

[Long] Fine-grained Interest Matching for Neural News Recommendation
Heyuan Wang, Fangzhao Wu, Zheng Liu and Xing Xie

[Short] Interpretable Operational Risk Classification with Semi-Supervised Variational Autoencoder
Fan Zhou, Shengming Zhang and Yi Yang

[Short] Interpreting Twitter User Geolocation
Ting Zhong, Tianliang Wang, Fan Zhou, Goce Trajcevski, Kunpeng Zhang and Yi Yang

[Long] Modeling Code-Switch Languages Using Bilingual Parallel Corpus
Grandee Lee and Haizhou Li

[Long] SpellGCN: Incorporating Phonological and Visual Similarities into Language Models for Chinese Spelling Check
Xingyi Cheng, Weidi Xu, Kunlong Chen, Shaohua Jiang, Feng Wang, Taifeng Wang, Wei Chu and Yuan Qi

[Long] Spelling Error Correction with Soft-Masked BERT
Shaohua Zhang, Haoran Huang, Jicong Liu and Hang Li

06:00–07:00 Session 1B Question Answering-1

[Short] A Frame-based Sentence Representation for Machine Reading Comprehension
Shaoru Guo, Ru Li, Hongye Tan, Xiaoli Li, Yong Guan, Hongyan Zhao and Yueping Zhang

[Long] A Methodology for Creating Question Answering Corpora Using Inverse Data Annotation
Jan Deriu, Katsiaryna Mlynchyk, Philippe Schläpfer, Alvaro Rodrigo, Dirk von Grünigen, Nicolas Kaiser, Kurt Stockinger, Eneko Agirre and Mark Cieliebak

[Short] Contextualized Sparse Representations for Real-Time Open-Domain Question Answering
Jinhyuk Lee, Minjoon Seo, Hannaneh Hajishirzi and Jaewoo Kang

[Short] Dynamic Sampling Strategies for Multi-Task Reading Comprehension
Ananth Gottumukkala, Dheeru Dua, Sameer Singh and Matt Gardner

[Long] Enhancing Answer Boundary Detection for Multilingual Machine Reading Comprehension
Fei Yuan, Linjun Shou, Xuanyu Bai, Ming Gong, Yaobo Liang, Nan Duan, Yan Fu and Daxin Jiang

[Long] Explicit Memory Tracker with Coarse-to-Fine Reasoning for Conversational Machine Reading
Yifan Gao, Chien-Sheng Wu, Shafiq Joty, Caiming Xiong, Richard Socher, Irwin King, Michael Lyu and Steven C.H. Hoi

[Long] Injecting Numerical Reasoning Skills into Language Models
Mor Geva, Ankit Gupta and Jonathan Berant

[Long] Learning to Identify Follow-Up Questions in Conversational Question Answering
Souvik Kundu, Qian Lin and Hwee Tou Ng

[Short] Query Graph Generation for Answering Multi-hop Complex Questions from Knowledge Bases
Yunshi Lan and Jing Jiang

06:00–07:00 Session 1B Resources and Evaluation-1

[Short] A Diverse Corpus for Evaluating and Developing English Math Word Problem Solvers
Shen-yun Miao, Chao-Chun Liang and Keh-Yih Su

[Long] Improving Image Captioning Evaluation by Considering Inter References Variance
Yanzhi Yi, Hangyu Deng and Jinglu Hu

[Long] Revisiting the Context Window for Cross-lingual Word Embeddings
Ryokan Ri and Yoshimasa Tsuruoka

06:00–07:00 Session 1B Semantics: Lexical-1

[Long] Moving Down the Long Tail of Word Sense Disambiguation with Gloss Informed Bi-encoders
Terra Blevins and Luke Zettlemoyer

06:00–07:00 Session 1B Student Research Workshop

[SRW] Grammatical Error Correction Using Pseudo Learner Corpus Considering Learner's Error Tendency
Yujin Takahashi, Satoru Katsumata and Mamoru Komachi

[SRW] Research on Task Discovery for Transfer Learning in Deep Neural Networks
Arda Akdemir

[SRW] RPD: A Distance Function Between Word Embeddings
Xuhui Zhou, Shujian Huang and Zaixiang Zheng

[SRW] Reflection-based Word Attribute Transfer
Yoichi Ishibashi, Katsuhito Sudoh, Koichiro Yoshino and Satoshi Nakamura

Monday, July 6, 2020 UTC+0 (continued)

06:30–07:15 Demo Session 1C

[Demo] Syntactic Search by Example
Micah Shlain, Hillel Taub-Tabib, Shoval Sadde and Yoav Goldberg

08:00–08:45 Demo Session 2A

[Demo] Tabouid: a Wikipedia-based word guessing game
Timothée Bernard

[Demo] Talk to Papers: Bringing Neural Question Answering to Academic Search
Tiancheng Zhao and Kyusong Lee

08:00–09:00 Session 2A Computational Social Science and Social Media-2

[Short] Code-Switching Patterns Can Be an Effective Route to Improve Performance of Downstream NLP Applications: A Case Study of Humour, Sarcasm and Hate Speech Detection
Srijan Bansal, Vishal Garimella, Ayush Suhane, Jasabanta Patro and Animesh Mukherjee

[Long] DTCA: Decision Tree-based Co-Attention Networks for Explainable Claim Verification
Lianwei Wu, Yuan Rao, yongqiang zhao, Hao Liang and Ambreen Nazir

[Long] Integrating Semantic and Structural Information with Graph Convolutional Network for Controversy Detection
Lei Zhong, Juan Cao, Qiang Sheng, Junbo Guo and Ziang Wang

[Long] Predicting the Topical Stance and Political Leaning of Media using Tweets
Peter Stefanov, Kareem Darwish, Atanas Atanasov and Preslav Nakov

[Long] Simple, Interpretable and Stable Method for Detecting Words with Usage Change across Corpora
Hila Gonen, Ganesh Jawahar, Djamé Seddah and Yoav Goldberg

08:00–09:00 Session 2A Dialogue and Interactive Systems-3

[Long] CDL: Curriculum Dual Learning for Emotion-Controllable Response Generation
Lei Shen and Yang Feng

[Short] Learning Low-Resource End-To-End Goal-Oriented Dialog for Fast and Reliable System Deployment
Yinpei Dai, Hangyu Li, Chengguang Tang, Yongbin Li, Jian Sun and Xiaodan Zhu

[Long] Response-Anticipated Memory for On-Demand Knowledge Integration in Response Generation
Zhiliang Tian, Wei Bi, Dongkyu Lee, Lanqing Xue, YIPING SONG, Xiaojiang Liu and Nevin L. Zhang

[Long] Towards Conversational Recommendation over Multi-Type Dialogs
Zeming Liu, Haifeng Wang, Zheng-Yu Niu, Hua Wu, Wanxiang Che and Ting Liu

[Long] Towards Unsupervised Language Understanding and Generation by Joint Dual Learning
Shang-Yu Su, Chao-Wei Huang and Yun-Nung Chen

[Long] Unknown Intent Detection Using Gaussian Mixture Model with an Application to Zero-shot Intent Classification
Guangfeng Yan, Lu Fan, Qimai Li, Han Liu, Xiaotong Zhang, Xiao-Ming Wu and Albert Y.S. Lam

08:00–09:00 Session 2A Generation-3

[Long] Expertise Style Transfer: A New Task Towards Better Communication between Experts and Laymen
Yixin Cao, Ruihao Shui, Liangming Pan, Min-Yen Kan, Zhiyuan Liu and Tat-Seng Chua

[Long] Fact-based Text Editing
Hayate Iso, Chao Qiao and Hang Li

[Long] Fluent Response Generation for Conversational Question Answering
Ashutosh Baheti, Alan Ritter and Kevin Small

[Long] Learning to Ask More: Semi-Autoregressive Sequential Question Generation under Dual-Graph Interaction
Zi Chai and Xiaojun Wan

[Long] Line Graph Enhanced AMR-to-Text Generation with Mix-Order Graph Attention Networks
Yanbin Zhao, Lu Chen, Zhi Chen, Ruisheng Cao, Su Zhu and Kai Yu

[Long] Probabilistically Masked Language Model Capable of Autoregressive Generation in Arbitrary Word Order
Yi Liao, Xin Jiang and Qun Liu

[Long] Review-based Question Generation with Adaptive Instance Transfer and Augmentation
Qian Yu, Lidong Bing, Qiong Zhang, Wai Lam and Luo Si

[Long] Towards Faithful Neural Table-to-Text Generation with Content-Matching Constraints
Zhenyi Wang, Xiaoyang Wang, Bang An, Dong Yu and Changyou Chen

08:00–09:00 Session 2A Information Retrieval and Text Mining-3

[Short] Dynamic Memory Induction Networks for Few-Shot Text Classification
Ruiying Geng, Binhua Li, Yongbin Li, Jian Sun and Xiaodan Zhu

[Short] Every Document Owns Its Structure: Inductive Text Classification via Graph Neural Networks
Yufeng Zhang, Xueli Yu, Zeyu Cui, Shu Wu, Zhongzhen Wen and Liang Wang

[Long] Exclusive Hierarchical Decoding for Deep Keyphrase Generation
Wang Chen, Hou Pong Chan, Piji Li and Irwin King

[Long] Hierarchy-Aware Global Model for Hierarchical Text Classification
Jie Zhou, Chunping Ma, Dingkun Long, Guangwei Xu, Ning Ding, Haoyu Zhang, Pengjun Xie and Gongshen Liu

[Long] Interactive Construction of User-Centric Dictionary for Text Analytics
Ryosuke Kohita, Issei Yoshida, Hiroshi Kanayama and Tetsuya Nasukawa

[Short] Keyphrase Generation for Scientific Document Retrieval
Florian Boudin, Ygor Gallina and Akiko Aizawa

[Long] Neural Topic Modeling with Bidirectional Adversarial Training
Rui Wang, Xuemeng Hu, Deyu Zhou, Yulan He, Yuxuan Xiong, Chenchen Ye and Haiyang Xu

[Short] Text Classification with Negative Supervision
Sora Ohashi, Junya Takayama, Tomoyuki Kajiwara, Chenhui Chu and Yuki Arase

[Short] Tree-Structured Neural Topic Model
Masaru Isonuma, Junichiro Mori, Danushka Bollegala and Ichiro Sakata

08:00–09:00 Session 2A Phonology, Morphology and Word Segmentation-1

[Long] A Graph Auto-encoder Model of Derivational Morphology
Valentin Hofmann, Hinrich Schütze and Janet Pierrehumbert

08:00–09:00 Session 2A Question Answering-2

[Short] A Frame-based Sentence Representation for Machine Reading Comprehension
Shaoru Guo, Ru Li, Hongye Tan, Xiaoli Li, Yong Guan, Hongyan Zhao and Yueping Zhang

[Long] A Methodology for Creating Question Answering Corpora Using Inverse Data Annotation
Jan Deriu, Katsiaryna Mlynchyk, Philippe Schläpfer, Alvaro Rodrigo, Dirk von Grünigen, Nicolas Kaiser, Kurt Stockinger, Eneko Agirre and Mark Cieliebak

[Long] Enhancing Answer Boundary Detection for Multilingual Machine Reading Comprehension
Fei Yuan, Linjun Shou, Xuanyu Bai, Ming Gong, Yaobo Liang, Nan Duan, Yan Fu and Daxin Jiang

[Long] Explicit Memory Tracker with Coarse-to-Fine Reasoning for Conversational Machine Reading
Yifan Gao, Chien-Sheng Wu, Shafiq Joty, Caiming Xiong, Richard Socher, Irwin King, Michael Lyu and Steven C.H. Hoi

[Long] Injecting Numerical Reasoning Skills into Language Models
Mor Geva, Ankit Gupta and Jonathan Berant

[Long] Learning to Identify Follow-Up Questions in Conversational Question Answering
Souvik Kundu, Qian Lin and Hwee Tou Ng

[Short] Query Graph Generation for Answering Multi-hop Complex Questions from Knowledge Bases
Yunshi Lan and Jing Jiang

08:00–09:00 Session 2A Resources and Evaluation-2

[Long] Building a User-Generated Content North-African Arabizi Treebank: Tackling Hell
Djamé Seddah, Farah Essaidi, Amal Fethi, Matthieu Futeral, Benjamin Muller, Pedro Javier Ortiz Suárez, Benoît Sagot and Abhishek Srivastava

[Short] Crawling and Preprocessing Mailing Lists At Scale for Dialog Analysis
Janek Bevendorff, Khalid Al Khatib, Martin Potthast and Benno Stein

[Long] Fine-Grained Analysis of Cross-Linguistic Syntactic Divergences
Dmitry Nikolaev, Ofir Arviv, Taelin Karidi, Neta Kenneth, Veronika Mitnik, Lilja Maria Saeboe and Omri Abend

[Long] Generating Counter Narratives against Online Hate Speech: Data and Strategies
Serra Sinem Tekiroğlu, Yi-Ling Chung and Marco Guerini

[Long] KLEJ: Comprehensive Benchmark for Polish Language Understanding
Piotr Rybak, Robert Mroczkowski, Janusz Tracz and Ireneusz Gawlik

[Long] Learning and Evaluating Emotion Lexicons for 91 Languages
Sven Buechel, Susanna Rücker and Udo Hahn

[Long] Multi-Hypothesis Machine Translation Evaluation
Marina Fomicheva, Lucia Specia and Francisco Guzmán

[Short] Multimodal Quality Estimation for Machine Translation
Shu Okabe, Frédéric Blain and Lucia Specia

[Long] PuzzLing Machines: A Challenge on Learning From Small Data
Gözde Gül Şahin, Yova Kementchedjhieva, Phillip Rust and Iryna Gurevych

[Long] The SOFC-Exp Corpus and Neural Approaches to Information Extraction in the Materials Science Domain
Annemarie Friedrich, Heike Adel, Federico Tomazic, Johannes Hingerl, Renou Benteau, Anika Marusczyk and Lukas Lange

[Long] The TechQA Dataset
Vittorio Castelli, Rishav Chakravarti, Saswati Dana, Anthony Ferritto, Radu Florian, Martin Franz, Dinesh Garg, Dinesh Khandelwal, Scott McCarley, Michael McCawley, Mohamed Nasr, Lin Pan, Cezar Pendus, John Pitrelli, Saurabh Pujar, Salim Roukos, Andrzej Sakrajda, Avi Sil, Rosario Uceda-Sosa, Todd Ward and Rong Zhang

[Long] iSarcasm: A Dataset of Intended Sarcasm
Silviu Oprea and Walid Magdy

08:00–09:00 Session 2A Semantics: Sentence Level-1

[Long] AMR Parsing via Graph-Sequence Iterative Inference
Deng Cai and Wai Lam

08:00–09:00 Session 2A Summarization-1

[Short] A Large-Scale Multi-Document Summarization Dataset from the Wikipedia Current Events Portal
Demian Gholipour Ghalandari, Chris Hokamp, Nghia The Pham, John Glover and Georgiana Ifrim

[Long] Attend, Translate and Summarize: An Efficient Method for Neural Cross-Lingual Summarization
Junnan Zhu, Yu Zhou, Jiajun Zhang and Chengqing Zong

[Long] Examining the State-of-the-Art in News Timeline Summarization
Demian Gholipour Ghalandari and Georgiana Ifrim

[Long] Improving Truthfulness of Headline Generation
Kazuki Matsumaru, Sho Takase and Naoaki Okazaki

[Short] SUPERT: Towards New Frontiers in Unsupervised Evaluation Metrics for Multi-Document Summarization
Yang Gao, Wei Zhao and Steffen Eger

[Short] Self-Attention Guided Copy Mechanism for Abstractive Summarization
Song Xu, Haoran Li, Peng Yuan, Youzheng Wu, Xiaodong He and Bowen Zhou

Monday, July 6, 2020 UTC+0 (continued)

08:00–09:00 Session 2A Student Research Workshop

[SRW] Topic Balancing with Additive Regularization of Topic Models
Eugeniia Veselova and Konstantin Vorontsov

[SRW] Combining Subword Representations into Word-level Representations in the Transformer Architecture
Noe Casas, Marta R. Costa-jussà and José A. R. Fonollosa

[SRW] Zero-shot North Korean to English Neural Machine Translation by Character Tokenization and Phoneme Decomposition
Hwichan Kim, Tosho Hirasawa and Mamoru Komachi

[SRW] Media Bias, the Social Sciences, and NLP: Automating Frame Analyses to Identify Bias by Word Choice and Labeling
Felix Hamborg

08:45–09:30 Demo Session 2B

[Demo] Personalized PageRank with Syntagmatic Information for Multilingual Word Sense Disambiguation
Federico Scozzafava, Marco Maru, Fabrizio Brignone, Giovanni Torrisi and Roberto Navigli

09:00–10:00 Session 2B Cognitive Modeling and Psycholinguistics-2

[TACL] How Furiously Can Colourless Green Ideas Sleep? Sentence Acceptability in Context
Jey Han Lau, Carlos Santos Armendariz, Matthew Purver, Chang Shu, Shalom Lappin

[Long] Predicting Depression in Screening Interviews from Latent Categorization of Interview Prompts
Alex Rinaldi, Jean Fox Tree and Snigdha Chaturvedi

Monday, July 6, 2020 UTC+0 (continued)

09:00–10:00 Session 2B Dialogue and Interactive Systems-4

[Long] Beyond User Self-Reported Likert Scale Ratings: A Comparison Model for Automatic Dialog Evaluation
Weixin Liang, James Zou and Zhou Yu

[Short] Conversational Word Embedding for Retrieval-Based Dialog System
Wentao Ma, Yiming Cui, Ting Liu, Dong Wang, Shijin Wang and Guoping Hu

[Short] Designing Precise and Robust Dialogue Response Evaluators
Tianyu Zhao, Divesh Lala and Tatsuya Kawahara

[Short] Evaluating Dialogue Generation Systems via Response Selection
Shiki Sato, Reina Akama, Hiroki Ouchi, Jun Suzuki and Kentaro Inui

[Long] Few-shot Slot Tagging with Collapsed Dependency Transfer and Label-enhanced Task-adaptive Projection Network
Yutai Hou, Wanxiang Che, Yongkui Lai, Zhihan Zhou, Yijia Liu, Han Liu and Ting Liu

[Long] Generating Informative Conversational Response using Recurrent Knowledge-Interaction and Knowledge-Copy
Xiexiong Lin, Weiyu Jian, Jianshan He, Taifeng Wang and Wei Chu

[Long] Guiding Variational Response Generator to Exploit Persona
Bowen Wu, MengYuan Li, Zongsheng Wang, Yifu Chen, Derek F. Wong, qihang feng, Junhong Huang and Baoxun Wang

[Long] Learning Dialog Policies from Weak Demonstrations
Gabriel Gordon-Hall, Philip John Gorinski and Shay B. Cohen

[Long] MuTual: A Dataset for Multi-Turn Dialogue Reasoning
Leyang Cui, Yu Wu, Shujie Liu, Yue Zhang and Ming Zhou

[Long] You Impress Me: Dialogue Generation via Mutual Persona Perception
Qian Liu, Yihong Chen, Bei Chen, Jian-Guang LOU, Zixuan Chen, Bin Zhou and Dongmei Zhang

09:00–10:00 Session 2B Discourse and Pragmatics-2

[Long] Bridging Anaphora Resolution as Question Answering
Yufang Hou

[Long] Dialogue Coherence Assessment Without Explicit Dialogue Act Labels
Mohsen Mesgar, Sebastian Bücker and Iryna Gurevych

09:00–10:00 Session 2B Generation-4

[Long] Explicit Semantic Decomposition for Definition Generation
Jiahuan Li, Yu Bao, Shujian Huang, Xinyu Dai and Jiajun CHEN

[Long] Fast and Accurate Non-Projective Dependency Tree Linearization
Xiang Yu, Simon Tannert, Ngoc Thang Vu and Jonas Kuhn

[Long] Semantic Graphs for Generating Deep Questions
Liangming Pan, Yuxi Xie, Yansong Feng, Tat-Seng Chua and Min-Yen Kan

[Long] Syn-QG: Syntactic and Shallow Semantic Rules for Question Generation
Kaustubh Dhole and Christopher D. Manning

[Long] Unsupervised Paraphrasing by Simulated Annealing
Xianggen Liu, Lili Mou, Fandong Meng, Hao Zhou, Jie Zhou and Sen Song

09:00–10:00 Session 2B Information Extraction-1

[Long] A Novel Cascade Binary Tagging Framework for Relational Triple Extraction
Zhepei Wei, Jianlin Su, Yue Wang, Yuan Tian and Yi Chang

[Long] In Layman's Terms: Semi-Open Relation Extraction from Scientific Texts
Ruben Kruiper, Julian Vincent, Jessica Chen-Burger, Marc Desmulliez and Ioannis Konstas

[Long] NAT: Noise-Aware Training for Robust Neural Sequence Labeling
Marcin Namysl, Sven Behnke and Joachim Köhler

[Long] Named Entity Recognition without Labelled Data: A Weak Supervision Approach
Pierre Lison, Jeremy Barnes, Aliaksandr Hubin and Samia Touileb

[Long] Probing Linguistic Features of Sentence-Level Representations in Relation Extraction
Christoph Alt, Aleksandra Gabryszak and Leonhard Hennig

[Long] Reasoning with Latent Structure Refinement for Document-Level Relation Extraction
Guoshun Nan, Zhijiang Guo, Ivan Sekulic and Wei Lu

[Long] TACRED Revisited: A Thorough Evaluation of the TACRED Relation Extraction Task
Christoph Alt, Aleksandra Gabryszak and Leonhard Hennig

09:00–10:00 Session 2B Machine Translation-2

[Long] Bilingual Dictionary Based Neural Machine Translation without Using Parallel Sentences
Xiangyu Duan, Baijun Ji, Hao Jia, Min Tan, Min Zhang, Boxing Chen, Weihua Luo and Yue Zhang

[Long] Boosting Neural Machine Translation with Similar Translations
Jitao XU, Josep Crego and Jean Senellart

[Short] Character-Level Translation with Self-attention
Yingqiang Gao, Nikola I. Nikolov, Yuhuang Hu and Richard H.R. Hahnloser

[Long] End-to-End Neural Word Alignment Outperforms GIZA++
Thomas Zenkel, Joern Wuebker and John DeNero

[Short] Enhancing Machine Translation with Dependency-Aware Self-Attention
Emanuele Bugliarello and Naoaki Okazaki

[Long] Improving Massively Multilingual Neural Machine Translation and Zero-Shot Translation
Biao Zhang, Philip Williams, Ivan Titov and Rico Sennrich

[Short] It's Easier to Translate out of English than into it: Measuring Neural Translation Difficulty by Cross-Mutual Information
Emanuele Bugliarello, Sabrina J. Mielke, Antonios Anastasopoulos, Ryan Cotterell and Naoaki Okazaki

[Short] Language-aware Interlingua for Multilingual Neural Machine Translation
Changfeng Zhu, Heng Yu, Shanbo Cheng and Weihua Luo

[Long] Norm-Based Curriculum Learning for Neural Machine Translation
Xuebo Liu, Houtim Lai, Derek F. Wong and Lidia S. Chao

[Long] On the Limitations of Cross-lingual Encoders as Exposed by Reference-Free Machine Translation Evaluation
Wei Zhao, Goran Glavaš, Maxime Peyrard, Yang Gao, Robert West and Steffen Eger

[Short] Parallel Sentence Mining by Constrained Decoding
Pinzhen Chen, Nikolay Bogoychev, Kenneth Heafield and Faheem Kirefu

[Short] Self-Attention with Cross-Lingual Position Representation
Liang Ding, Longyue Wang and Dacheng Tao

[Short] "You Sound Just Like Your Father" Commercial Machine Translation Systems Include Stylistic Biases
Dirk Hovy, Federico Bianchi and Tommaso Fornaciari

09:00–10:00 Session 2B NLP Applications-2

[Long] Fast and Accurate Deep Bidirectional Language Representations for Unsupervised Learning
Joongbo Shin, Yoonhyung Lee, Seunghyun Yoon and Kyomin Jung

[Long] Fine-grained Interest Matching for Neural News Recommendation
Heyuan Wang, Fangzhao Wu, Zheng Liu and Xing Xie

[Short] Interpretable Operational Risk Classification with Semi-Supervised Variational Autoencoder
Fan Zhou, Shengming Zhang and Yi Yang

[Short] Interpreting Twitter User Geolocation
Ting Zhong, Tianliang Wang, Fan Zhou, Goce Trajcevski, Kunpeng Zhang and Yi Yang

[Long] MMPE: A Multi-Modal Interface for Post-Editing Machine Translation
Nico Herbig, Tim Düwel, Santanu Pal, Kalliopi Meladaki, Mahsa Monshizadeh, Antonio Krüger and Josef van Genabith

[Long] Modeling Code-Switch Languages Using Bilingual Parallel Corpus
Grandee Lee and Haizhou Li

[Long] SpellGCN: Incorporating Phonological and Visual Similarities into Language Models for Chinese Spelling Check
Xingyi Cheng, Weidi Xu, Kunlong Chen, Shaohua Jiang, Feng Wang, Taifeng Wang, Wei Chu and Yuan Qi

[Long] Spelling Error Correction with Soft-Masked BERT
Shaohua Zhang, Haoran Huang, Jicong Liu and Hang Li

09:00–10:00 Session 2B Resources and Evaluation-3

[Short] A Diverse Corpus for Evaluating and Developing English Math Word Problem Solvers
Shen-yun Miao, Chao-Chun Liang and Keh-Yih Su

[Long] A Monolingual Approach to Contextualized Word Embeddings for Mid-Resource Languages
Pedro Javier Ortiz Suárez, Laurent Romary and Benoît Sagot

[Long] Improving Image Captioning Evaluation by Considering Inter References Variance
Yanzhi Yi, Hangyu Deng and Jinglu Hu

[Long] Revisiting the Context Window for Cross-lingual Word Embeddings
Ryokan Ri and Yoshimasa Tsuruoka

[Short] Will-They-Won't-They: A Very Large Dataset for Stance Detection on Twitter
Costanza Conforti, Jakob Berndt, Mohammad Taher Pilehvar, Chryssi Giannitsarou, Flavio Toxvaerd and Nigel Collier

09:00–10:00 Session 2B Theory and Formalism in NLP (Linguistic and Mathematical)-2

[Short] A Three-Parameter Rank-Frequency Relation in Natural Languages
Chenchen Ding, Masao Utiyama and Eiichiro Sumita

[Long] Dice Loss for Data-imbalanced NLP Tasks
Xiaoya Li, Xiaofei Sun, Yuxian Meng, Junjun Liang, Fei Wu and Jiwei Li

[Long] Language Models as an Alternative Evaluator of Word Order Hypotheses: A Case Study in Japanese
Tatsuki Kuribayashi, Takumi Ito, Jun Suzuki and Kentaro Inui

[TACL] Theoretical Limitations of Self-Attention in Neural Sequence Models
Michael Hahn

09:00–10:00 Session 2B Student Research Workshop

[SRW] SCAR: Sentence Compression using Autoencoders for Reconstruction
Chanakya Malireddy, Tirth Maniar and Manish Shrivastava

[SRW] Feature Difference Makes Sense: A medical image captioning model exploiting feature difference and tag information
Hyeryun Park, Kyungmo Kim, Jooyoung Yoon, Seongkeun Park and Jinwook Choi

[SRW] Multi-Task Neural Model for Agglutinative Language Translation
Yirong Pan, Xiao Li, Yating Yang and Rui Dong

[SRW] Considering Likelihood in NLP Classification Explanations with Occlusion and Language Modeling
David Harbecke and Christoph Alt

09:30–10:15 Demo Session 2C

[Demo] pyBART: Evidence-based Syntactic Transformations for IE
Aryeh Tiktinsky, Yoav Goldberg and Reut Tsarfaty

12:00–12:45 Demo Session 3A

[Demo] EVIDENCEMINER: Textual Evidence Discovery for Life Sciences
Xuan Wang, Yingjun Guan, Weili Liu, Aabhas Chauhan, Enyi Jiang, Qi Li, David Liem, Dibakar Sigdel, John Caufield, Peipei Ping and Jiawei Han

[Demo] Trialstreamer: Mapping and Browsing Medical Evidence in Real-Time
Benjamin Nye, Ani Nenkova, Iain Marshall and Byron C. Wallace

Monday, July 6, 2020 UTC+0 (continued)

12:00–13:00 Session 3A Cognitive Modeling and Psycholinguistics-3

[Long] A Systematic Assessment of Syntactic Generalization in Neural Language Models
Jennifer Hu, Jon Gauthier, Peng Qian, Ethan Wilcox and Roger Levy

[Long] Inflecting When There's No Majority: Limitations of Encoder-Decoder Neural Networks as Cognitive Models for German Plurals
Kate McCurdy, Sharon Goldwater and Adam Lopez

[Short] Overestimation of Syntactic Representation in Neural Language Models
Jordan Kodner and Nitish Gupta

[Long] Suspense in Short Stories is Predicted By Uncertainty Reduction over Neural Story Representation
David Wilmot and Frank Keller

[Short] You Don't Have Time to Read This: An Exploration of Document Reading Time Prediction
Orion Weller, Jordan Hildebrandt, Ilya Reznik, Christopher Challis, E. Shannon Tass, Quinn Snell and Kevin Seppi

12:00–13:00 Session 3A Computational Social Science and Social Media-3

[Short] Code-Switching Patterns Can Be an Effective Route to Improve Performance of Downstream NLP Applications: A Case Study of Humour, Sarcasm and Hate Speech Detection
Srijan Bansal, Vishal Garimella, Ayush Suhane, Jasabanta Patro and Animesh Mukherjee

[Long] DTCA: Decision Tree-based Co-Attention Networks for Explainable Claim Verification
Lianwei Wu, Yuan Rao, yongqiang zhao, Hao Liang and Ambreen Nazir

[Long] GCAN: Graph-aware Co-Attention Networks for Explainable Fake News Detection on Social Media
Yi-Ju Lu and Cheng-Te Li

Monday, July 6, 2020 UTC+0 (continued)

12:00–13:00 Session 3A Dialogue and Interactive Systems-5

[Long] A Generative Model for Joint Natural Language Understanding and Generation
Bo-Hsiang Tseng, Jianpeng Cheng, Yimai Fang and David Vandyke

[Long] Beyond User Self-Reported Likert Scale Ratings: A Comparison Model for Automatic Dialog Evaluation
Weixin Liang, James Zou and Zhou Yu

[Short] Coach: A Coarse-to-Fine Approach for Cross-domain Slot Filling
Zihan Liu, Genta Indra Winata, Peng Xu and Pascale Fung

[Short] Conversational Word Embedding for Retrieval-Based Dialog System
Wentao Ma, Yiming Cui, Ting Liu, Dong Wang, Shijin Wang and Guoping Hu

[Long] Few-shot Slot Tagging with Collapsed Dependency Transfer and Label-enhanced Task-adaptive Projection Network
Yutai Hou, Wanxiang Che, Yongkui Lai, Zhihan Zhou, Yijia Liu, Han Liu and Ting Liu

[Long] MuTual: A Dataset for Multi-Turn Dialogue Reasoning
Leyang Cui, Yu Wu, Shujie Liu, Yue Zhang and Ming Zhou

[Long] PLATO: Pre-trained Dialogue Generation Model with Discrete Latent Variable
Siqi Bao, Huang He, Fan Wang, Hua Wu and Haifeng Wang

[Long] Paraphrase Augmented Task-Oriented Dialog Generation
Silin Gao, Yichi Zhang, Zhijian Ou and Zhou Yu

[Short] Span-ConveRT: Few-shot Span Extraction for Dialog with Pretrained Conversational Representations
Samuel Coope, Tyler Farghly, Daniela Gerz, Ivan Vulić and Matthew Henderson

[Long] You Impress Me: Dialogue Generation via Mutual Persona Perception
Qian Liu, Yihong Chen, Bei Chen, Jian-Guang LOU, Zixuan Chen, Bin Zhou and Dongmei Zhang

12:00–13:00 Session 3A Generation-5

[Long] Automatic Detection of Generated Text is Easiest when Humans are Fooled
Daphne Ippolito, Daniel Duckworth, Chris Callison-Burch and Douglas Eck

[Long] Fast and Accurate Non-Projective Dependency Tree Linearization
Xiang Yu, Simon Tannert, Ngoc Thang Vu and Jonas Kuhn

[Long] Generating Diverse and Consistent QA pairs from Contexts with Information-Maximizing Hierarchical Conditional VAEs
Dong Bok Lee, Seanie Lee, Woo Tae Jeong, Donghwan Kim and Sung Ju Hwang

[Long] Pre-train and Plug-in: Flexible Conditional Text Generation with Variational Auto-Encoders
Yu Duan, Canwen Xu, Jiaxin Pei, Jialong Han and Chenliang Li

[Long] Rigid Formats Controlled Text Generation
Piji Li, Haisong Zhang, Xiaojiang Liu and Shuming Shi

12:00–13:00 Session 3A Information Retrieval and Text Mining-4

[Long] A Joint Model for Document Segmentation and Segment Labeling
Joe Barrow, Rajiv Jain, Vlad Morariu, Varun Manjunatha, Douglas Oard and Philip Resnik

[Long] An Online Semantic-enhanced Dirichlet Model for Short Text Stream Clustering
Jay Kumar, Junming Shao, Salah Uddin and Wazir Ali

[Short] Dynamic Memory Induction Networks for Few-Shot Text Classification
Ruiying Geng, Binhua Li, Yongbin Li, Jian Sun and Xiaodan Zhu

[Long] Exclusive Hierarchical Decoding for Deep Keyphrase Generation
Wang Chen, Hou Pong Chan, Piji Li and Irwin King

[Long] Generative Semantic Hashing Enhanced via Boltzmann Machines
Lin Zheng, Qinliang Su, Dinghan Shen and Changyou Chen

[Long] Hierarchy-Aware Global Model for Hierarchical Text Classification
Jie Zhou, Chunping Ma, Dingkun Long, Guangwei Xu, Ning Ding, Haoyu Zhang, Pengjun Xie and Gongshen Liu

[Short] Keyphrase Generation for Scientific Document Retrieval
Florian Boudin, Ygor Gallina and Akiko Aizawa

[Short] Unsupervised FAQ Retrieval with Question Generation and BERT
Yosi Mass, Boaz Carmeli, Haggai Roitman and David Konopnicki

12:00–13:00 Session 3A Machine Translation-3

[Long] Boosting Neural Machine Translation with Similar Translations
Jitao XU, Josep Crego and Jean Senellart

[Long] End-to-End Neural Word Alignment Outperforms GIZA++
Thomas Zenkel, Joern Wuebker and John DeNero

[Short] Enhancing Machine Translation with Dependency-Aware Self-Attention
Emanuele Bugliarello and Naoaki Okazaki

[Long] Improving Massively Multilingual Neural Machine Translation and Zero-Shot Translation
Biao Zhang, Philip Williams, Ivan Titov and Rico Sennrich

[Long] Jointly Masked Sequence-to-Sequence Model for Non-Autoregressive Neural Machine Translation
Junliang Guo, Linli Xu and Enhong Chen

[Long] Learning Source Phrase Representations for Neural Machine Translation
Hongfei Xu, Josef van Genabith, Deyi Xiong, Qiuhui Liu and Jingyi Zhang

[Short] Lipschitz Constrained Parameter Initialization for Deep Transformers
Hongfei Xu, Qiuhui Liu, Josef van Genabith, Deyi Xiong and Jingyi Zhang

[Long] Multi-Domain Neural Machine Translation with Word-Level Adaptive Layer-wise Domain Mixing
Haoming Jiang, Chen Liang, Chong Wang and Tuo Zhao

[Short] Self-Attention with Cross-Lingual Position Representation
Liang Ding, Longyue Wang and Dacheng Tao

[Short] "You Sound Just Like Your Father" Commercial Machine Translation Systems Include Stylistic Biases
Dirk Hovy, Federico Bianchi and Tommaso Fornaciari

12:00–13:00 Session 3A Resources and Evaluation-4

[Long] A Monolingual Approach to Contextualized Word Embeddings for Mid-Resource Languages
Pedro Javier Ortiz Suárez, Laurent Romary and Benoît Sagot

[Long] Building a User-Generated Content North-African Arabizi Treebank: Tackling Hell
Djamé Seddah, Farah Essaidi, Amal Fethi, Matthieu Futeral, Benjamin Muller, Pedro Javier Ortiz Suárez, Benoît Sagot and Abhishek Srivastava

[Short] Crawling and Preprocessing Mailing Lists At Scale for Dialog Analysis
Janek Bevendorff, Khalid Al Khatib, Martin Potthast and Benno Stein

[Long] Fine-Grained Analysis of Cross-Linguistic Syntactic Divergences
Dmitry Nikolaev, Ofir Arviv, Taelin Karidi, Neta Kenneth, Veronika Mitnik, Lilja Maria Saeboe and Omri Abend

[Long] Generating Counter Narratives against Online Hate Speech: Data and Strategies
Serra Sinem Tekiroğlu, Yi-Ling Chung and Marco Guerini

[Long] KLEJ: Comprehensive Benchmark for Polish Language Understanding
Piotr Rybak, Robert Mroczkowski, Janusz Tracz and Ireneusz Gawlik

[Long] Learning and Evaluating Emotion Lexicons for 91 Languages
Sven Buechel, Susanna Rücker and Udo Hahn

[Long] Multi-Hypothesis Machine Translation Evaluation
Marina Fomicheva, Lucia Specia and Francisco Guzmán

[Short] Multimodal Quality Estimation for Machine Translation
Shu Okabe, Frédéric Blain and Lucia Specia

[Long] PuzzLing Machines: A Challenge on Learning From Small Data
Gözde Gül Şahin, Yova Kementchedjhieva, Phillip Rust and Iryna Gurevych

[Long] The SOFC-Exp Corpus and Neural Approaches to Information Extraction in the Materials Science Domain
Annemarie Friedrich, Heike Adel, Federico Tomazic, Johannes Hingerl, Renou Benteau, Anika Marusczyk and Lukas Lange

[Long] The TechQA Dataset
Vittorio Castelli, Rishav Chakravarti, Saswati Dana, Anthony Ferritto, Radu Florian, Martin Franz, Dinesh Garg, Dinesh Khandelwal, Scott McCarley, Michael McCawley, Mohamed Nasr, Lin Pan, Cezar Pendus, John Pitrelli, Saurabh Pujar, Salim Roukos, Andrzej Sakrajda, Avi Sil, Rosario Uceda-Sosa, Todd Ward and Rong Zhang

[Short] Will-They-Won't-They: A Very Large Dataset for Stance Detection on Twitter
Costanza Conforti, Jakob Berndt, Mohammad Taher Pilehvar, Chryssi Giannitsarou, Flavio Toxvaerd and Nigel Collier

[Long] iSarcasm: A Dataset of Intended Sarcasm
Silviu Oprea and Walid Magdy

12:00–13:00 Session 3A Semantics: Sentence Level-2

[Long] AMR Parsing via Graph-Sequence Iterative Inference
Deng Cai and Wai Lam

12:00–13:00 Session 3A Student Research Workshop

[SRW] Non-Topical Coherence in Social Talk: A Call for Dialogue Model Enrichment
Alex Luu and Sophia A. Malamud

[SRW] Dominance as an Indicator of Rapport and Learning in Human-Agent Communication
Amanda Buddemeyer, Xiaoyi Tian and Erin Walker

[SRW] SCAR: Sentence Compression using Autoencoders for Reconstruction
Chanakya Malireddy, Tirth Maniar and Manish Shrivastava

[SRW] Why is penguin more similar to polar bear than to sea gull? Analyzing conceptual knowledge in distributional models
Pia Sommerauer

12:45–13:30 Demo Session 3B

[Demo] TextBrewer: An Open-Source Knowledge Distillation Toolkit for Natural Language Processing
Ziqing Yang, Yiming Cui, Zhipeng Chen, Wanxiang Che, Ting Liu, Shijin Wang and Guoping Hu

[Demo] SyntaxGym: An Online Platform for Targeted Evaluation of Language Models
Jon Gauthier, Jennifer Hu, Ethan Wilcox, Peng Qian and Roger Levy

13:00–14:00 Session 3B Dialogue and Interactive Systems-6

[Long] Conversational Graph Grounded Policy Learning for Open-Domain Conversation Generation
Jun Xu, Haifeng Wang, Zheng-Yu Niu, Hua Wu, Wanxiang Che and Ting Liu

[TACL] CrossWOZ: A Large-Scale Chinese Cross-Domain Task-Oriented Dialogue Dataset
Qi Zhu, Kaili Huang, Zheng Zhang, Xiaoyan Zhu, Minlie Huang

[Short] Dialogue State Tracking with Explicit Slot Connection Modeling
Yawen Ouyang, Moxin Chen, Xinyu Dai, Yinggong Zhao, Shujian Huang and Jiajun CHEN

[Long] End-to-End Neural Pipeline for Goal-Oriented Dialogue Systems using GPT-2
Donghoon Ham, Jeong-Gwan Lee, Youngsoo Jang and Kee-Eung Kim

[Long] Gated Convolutional Bidirectional Attention-based Model for Off-topic Spoken Response Detection
Yefei Zha, Ruobing Li and Hui Lin

[Long] Learning Dialog Policies from Weak Demonstrations
Gabriel Gordon-Hall, Philip John Gorinski and Shay B. Cohen

[Short] Learning to Tag OOV Tokens by Integrating Contextual Representation and Background Knowledge
Keqing He, Yuanmeng Yan and Weiran XU

[Long] Multi-Agent Task-Oriented Dialog Policy Learning with Role-Aware Reward Decomposition
Ryuichi Takanobu, Runze Liang and Minlie Huang

[Long] Semi-Supervised Dialogue Policy Learning via Stochastic Reward Estimation
Xinting Huang, Jianzhong Qi, Yu Sun and Rui Zhang

[Long] Slot-consistent NLG for Task-oriented Dialogue Systems with Iterative Rectification Network
Yangming Li, Kaisheng Yao, Libo Qin, Wanxiang Che, Xiaolong Li and Ting Liu

[Long] Towards Conversational Recommendation over Multi-Type Dialogs
Zeming Liu, Haifeng Wang, Zheng-Yu Niu, Hua Wu, Wanxiang Che and Ting Liu

[Long] Unknown Intent Detection Using Gaussian Mixture Model with an Application to Zero-shot Intent Classification
Guangfeng Yan, Lu Fan, Qimai Li, Han Liu, Xiaotong Zhang, Xiao-Ming Wu and Albert Y.S. Lam

13:00–14:00 Session 3B Discourse and Pragmatics-3

[Short] A Complete Shift-Reduce Chinese Discourse Parser with Robust Dynamic Oracle
Shyh-Shiun Hung, Hen-Hsen Huang and Hsin-Hsi Chen

[Long] Bridging Anaphora Resolution as Question Answering
Yufang Hou

[Long] Dialogue Coherence Assessment Without Explicit Dialogue Act Labels
Mohsen Mesgar, Sebastian Bücker and Iryna Gurevych

[Long] TransS-Driven Joint Learning Architecture for Implicit Discourse Relation Recognition
Ruifang He, Jian Wang, Fengyu Guo and Yugui Han

13:00–14:00 Session 3B Generation-6

[Long] A Study of Non-autoregressive Model for Sequence Generation
Yi Ren, Jinglin Liu, Xu Tan, Zhou Zhao, sheng zhao and Tie-Yan Liu

[Long] Expertise Style Transfer: A New Task Towards Better Communication between Experts and Laymen
Yixin Cao, Ruihao Shui, Liangming Pan, Min-Yen Kan, Zhiyuan Liu and Tat-Seng Chua

[Short] GPT-too: A Language-Model-First Approach for AMR-to-Text Generation
Manuel Mager, Ramón Fernandez Astudillo, Tahira Naseem, Md Arafat Sultan, Young-Suk Lee, Radu Florian and Salim Roukos

[Long] Learning to Update Natural Language Comments Based on Code Changes
Sheena Panthaplackel, Pengyu Nie, Milos Gligoric, Junyi Jessy Li and Raymond Mooney

[TACL] Leveraging Pre-trained Checkpoints for Sequence Generation Tasks
Sascha Rothe, Shashi Narayan and Aliaksei Severyn

[Long] Politeness Transfer: A Tag and Generate Approach
Aman Madaan, Amrith Setlur, Tanmay Parekh, Barnabas Poczos, Graham Neubig, Yiming Yang, Ruslan Salakhutdinov, Alan W Black and Shrimai Prabhumoye

[Long] Semantic Graphs for Generating Deep Questions
Liangming Pan, Yuxi Xie, Yansong Feng, Tat-Seng Chua and Min-Yen Kan

[Long] TAG : Type Auxiliary Guiding for Code Comment Generation
Ruichu Cai, Zhihao Liang, Boyan Xu, zijian li, Yuexing Hao and Yao Chen

[Long] Towards Faithful Neural Table-to-Text Generation with Content-Matching Constraints
Zhenyi Wang, Xiaoyang Wang, Bang An, Dong Yu and Changyou Chen

13:00–14:00 Session 3B Information Extraction-2

[Long] A Novel Cascade Binary Tagging Framework for Relational Triple Extraction
Zhepei Wei, Jianlin Su, Yue Wang, Yuan Tian and Yi Chang

[Long] In Layman's Terms: Semi-Open Relation Extraction from Scientific Texts
Ruben Kruiper, Julian Vincent, Jessica Chen-Burger, Marc Desmulliez and Ioannis Konstas

[Long] NAT: Noise-Aware Training for Robust Neural Sequence Labeling
Marcin Namysl, Sven Behnke and Joachim Köhler

[Long] Named Entity Recognition without Labelled Data: A Weak Supervision Approach
Pierre Lison, Jeremy Barnes, Aliaksandr Hubin and Samia Touileb

[Long] Probing Linguistic Features of Sentence-Level Representations in Relation Extraction
Christoph Alt, Aleksandra Gabryszak and Leonhard Hennig

[Long] Reasoning with Latent Structure Refinement for Document-Level Relation Extraction
Guoshun Nan, Zhijiang Guo, Ivan Sekulic and Wei Lu

[Long] TACRED Revisited: A Thorough Evaluation of the TACRED Relation Extraction Task
Christoph Alt, Aleksandra Gabryszak and Leonhard Hennig

13:00–14:00 Session 3B Machine Translation-4

[Long] BPE-Dropout: Simple and Effective Subword Regularization
Ivan Provilkov, Dmitrii Emelianenko and Elena Voita

[Long] Bilingual Dictionary Based Neural Machine Translation without Using Parallel Sentences
Xiangyu Duan, Baijun Ji, Hao Jia, Min Tan, Min Zhang, Boxing Chen, Weihua Luo and Yue Zhang

[Short] Character-Level Translation with Self-attention
Yingqiang Gao, Nikola I. Nikolov, Yuhuang Hu and Richard H.R. Hahnloser

[Short] Content Word Aware Neural Machine Translation
Kehai Chen, Rui Wang, Masao Utiyama and Eiichiro Sumita

[Long] Evaluating Explanation Methods for Neural Machine Translation
Jierui Li, Lemao Liu, Huayang Li, Guanlin Li, Guoping Huang and Shuming Shi

[Short] Improving Non-autoregressive Neural Machine Translation with Monolingual Data
Jiawei Zhou and Phillip Keung

[Short] It's Easier to Translate out of English than into it: Measuring Neural Translation Difficulty by Cross-Mutual Information
Emanuele Bugliarello, Sabrina J. Mielke, Antonios Anastasopoulos, Ryan Cotterell and Naoaki Okazaki

[Short] Language-aware Interlingua for Multilingual Neural Machine Translation
Changfeng Zhu, Heng Yu, Shanbo Cheng and Weihua Luo

[Long] Multiscale Collaborative Deep Models for Neural Machine Translation
Xiangpeng Wei, Heng Yu, Yue Hu, Yue Zhang, Rongxiang Weng and Weihua Luo

[Long] On the Limitations of Cross-lingual Encoders as Exposed by Reference-Free Machine Translation Evaluation
Wei Zhao, Goran Glavaš, Maxime Peyrard, Yang Gao, Robert West and Steffen Eger

[CL] On the Linguistic Representational Power of Neural Machine Translation Models
Yonatan Belinkov, Nadir Durrani, Fahim Dalvi, Hassan Sajjad, James Glass

[Short] Parallel Sentence Mining by Constrained Decoding
Pinzhen Chen, Nikolay Bogoychev, Kenneth Heafield and Faheem Kirefu

13:00–14:00 Session 3B Phonology, Morphology and Word Segmentation-2

[Long] A Graph Auto-encoder Model of Derivational Morphology
Valentin Hofmann, Hinrich Schütze and Janet Pierrehumbert

13:00–14:00 Session 3B Summarization-2

[Short] A Large-Scale Multi-Document Summarization Dataset from the Wikipedia Current Events Portal
Demian Gholipour Ghalandari, Chris Hokamp, Nghia The Pham, John Glover and Georgiana Ifrim

[Short] Attend to Medical Ontologies: Content Selection for Clinical Abstractive Summarization
Sajad Sotudeh Gharebagh, Nazli Goharian and Ross Filice

[Long] Attend, Translate and Summarize: An Efficient Method for Neural Cross-Lingual Summarization
Junnan Zhu, Yu Zhou, Jiajun Zhang and Chengqing Zong

[Long] Examining the State-of-the-Art in News Timeline Summarization
Demian Gholipour Ghalandari and Georgiana Ifrim

[Long] Improving Truthfulness of Headline Generation
Kazuki Matsumaru, Sho Takase and Naoaki Okazaki

[Long] On Faithfulness and Factuality in Abstractive Summarization
Joshua Maynez, Shashi Narayan, Bernd Bohnet and Ryan McDonald

[Short] SUPERT: Towards New Frontiers in Unsupervised Evaluation Metrics for Multi-Document Summarization
Yang Gao, Wei Zhao and Steffen Eger

[Long] Screenplay Summarization Using Latent Narrative Structure
Pinelopi Papalampidi, Frank Keller, Lea Frermann and Mirella Lapata

[Short] Self-Attention Guided Copy Mechanism for Abstractive Summarization
Song Xu, Haoran Li, Peng Yuan, Youzheng Wu, Xiaodong He and Bowen Zhou

[Long] Unsupervised Opinion Summarization with Noising and Denoising
Reinald Kim Amplayo and Mirella Lapata

13:00–14:00 Session 3B Student Research Workshop

[SRW] Transferring Monolingual Model to Low-Resource Language: The Case of Tigrinya
Abrhalei Frezghi Tela, Abraham Woubie Zewoudie and Ville Hautamäki

[SRW] A Simple and Effective Dependency Parser for Telugu
Sneha Nallani, Manish Shrivastava and Dipti Sharma

[SRW] Pointwise Paraphrase Appraisal is Potentially Problematic
Hannah Chen, Yangfeng Ji and David Evans

[SRW] Let's be Humorous: Knowledge Enhanced Humor Generation
Hang Zhang, Dayiheng Liu, Jiancheng Lv and Luo Cheng

[SRW] Efficient Neural Machine Translation for Low-Resource Languages via Exploiting Related Languages
Vikrant Goyal, Sourav Kumar and Dipti Misra Sharma

13:30–14:15 Demo Session 3C

[Demo] Tabouid: a Wikipedia-based word guessing game
Timothée Bernard

[Demo] Syntactic Search by Example
Micah Shlain, Hillel Taub-Tabib, Shoval Sadde and Yoav Goldberg

14:00–16:15 Plenary

14:00–14:15 *Opening Remarks*

14:15–14:30 *Presidential Address*

14:30–15:15 *Keynote 1 Video Livestream: Kathleen R. McKeown*

15:15–15:45 *Keynote 1 Live Q&A: Kathleen R. McKeown*

15:45–16:15 *Business Meeting Q&A*

17:00–17:45 Demo Session 4A

[Demo] Personalized PageRank with Syntagmatic Information for Multilingual Word Sense Disambiguation
Federico Scozzafava, Marco Maru, Fabrizio Brignone, Giovanni Torrisi and Roberto Navigli

[Demo] GAIA: A Fine-grained Multimedia Knowledge Extraction System
Manling Li, Alireza Zareian, Ying Lin, Xiaoman Pan, Spencer Whitehead, Brian Chen, Bo Wu, Heng Ji, Shih-Fu Chang, Clare Voss, Daniel Napierski and Marjorie Freedman

[Demo] Multilingual Universal Sentence Encoder for Semantic Retrieval
Yinfei Yang, Daniel Cer, Amin Ahmad, Mandy Guo, Jax Law, Noah Constant, Gustavo Hernandez Abrego, Steve Yuan, Chris Tar, Yun-hsuan Sung, Brian Strope and Ray Kurzweil

17:00–18:00 Session 4A Cognitive Modeling and Psycholinguistics-4

[Long] A Tale of Two Perplexities: Sensitivity of Neural Language Models to Lexical Retrieval Deficits in Dementia of the Alzheimer's Type
Trevor Cohen and Serguei Pakhomov

[Long] Inflecting When There's No Majority: Limitations of Encoder-Decoder Neural Networks as Cognitive Models for German Plurals
Kate McCurdy, Sharon Goldwater and Adam Lopez

[Long] Probing Linguistic Systematicity
Emily Goodwin, Koustuv Sinha and Timothy J. O'Donnell

[Short] Recollection versus Imagination: Exploring Human Memory and Cognition via Neural Language Models
Maarten Sap, Eric horvitz, Yejin Choi, Noah A. Smith and James Pennebaker

[Long] Recurrent Neural Network Language Models Always Learn English-Like Relative Clause Attachment
Forrest Davis and Marten van Schijndel

[Long] Speakers enhance contextually confusable words
Eric Meinhardt, Eric Bakovic and Leon Bergen

[Long] What determines the order of adjectives in English? Comparing efficiency-based theories using dependency treebanks
Richard Futrell, William Dyer and Greg Scontras

[Short] You Don't Have Time to Read This: An Exploration of Document Reading Time Prediction
Orion Weller, Jordan Hildebrandt, Ilya Reznik, Christopher Challis, E. Shannon Tass, Quinn Snell and Kevin Seppi

17:00–18:00 Session 4A Dialogue and Interactive Systems-7

[Short] "None of the Above": Measure Uncertainty in Dialog Response Retrieval
Yulan Feng, Shikib Mehri, Maxine Eskenazi and Tiancheng Zhao

[Long] A Generative Model for Joint Natural Language Understanding and Generation
Bo-Hsiang Tseng, Jianpeng Cheng, Yimai Fang and David Vandyke

[Long] Can You Put it All Together: Evaluating Conversational Agents' Ability to Blend Skills
Eric Michael Smith, Mary Williamson, Kurt Shuster, Jason Weston and Y-Lan Boureau

[Long] Efficient Dialogue State Tracking by Selectively Overwriting Memory
Sungdong Kim, Sohee Yang, Gyuwan Kim and Sang-Woo Lee

[Long] Grounded Conversation Generation as Guided Traverses in Commonsense Knowledge Graphs
Houyu Zhang, Zhenghao Liu, Chenyan Xiong and Zhiyuan Liu

[Long] Negative Training for Neural Dialogue Response Generation
Tianxing He and James Glass

[Short] Recursive Template-based Frame Generation for Task Oriented Dialog
Rashmi Gangadharaiah and Balakrishnan Narayanaswamy

[Long] Speak to your Parser: Interactive Text-to-SQL with Natural Language Feedback
Ahmed Elgohary, saghar Hosseini and Ahmed Hassan Awadallah

[CL] The Design and Implementation of XiaoIce, an Empathetic Social Chatbot
Li Zhou, Jianfeng Gao, Di Li, Heung-Yeung Shum

[Long] USR: An Unsupervised and Reference Free Evaluation Metric for Dialog Generation
Shikib Mehri and Maxine Eskenazi

[Long] Zero-Shot Transfer Learning with Synthesized Data for Multi-Domain Dialogue State Tracking
Giovanni Campagna, Agata Foryciarz, Mehrad Moradshahi and Monica Lam

Monday, July 6, 2020 UTC+0 (continued)

17:00–18:00 Session 4A Machine Learning for NLP-1

[Long] Calibrating Structured Output Predictors for Natural Language Processing
Abhyuday Jagannatha and hong yu

[Long] Active Imitation Learning with Noisy Guidance
Kianté Brantley, Hal Daumé III and Amr Sharaf

[Short] ExpBERT: Representation Engineering with Natural Language Explanations
Shikhar Murty, Pang Wei Koh and Percy Liang

[Short] GAN-BERT: Generative Adversarial Learning for Robust Text Classification with a Bunch of Labeled Examples
Danilo Croce, Giuseppe Castellucci and Roberto Basili

[Long] Generalizing Natural Language Analysis through Span-relation Representations
Zhengbao Jiang, Wei Xu, Jun Araki and Graham Neubig

[Long] Learning to Contextually Aggregate Multi-Source Supervision for Sequence Labeling
Ouyu Lan, Xiao Huang, Bill Yuchen Lin, He Jiang, Liyuan Liu and Xiang Ren

[Long] MixText: Linguistically-Informed Interpolation of Hidden Space for Semi-Supervised Text Classification
Jiaao Chen, Zichao Yang and Diyi Yang

[Long] MobileBERT: a Compact Task-Agnostic BERT for Resource-Limited Devices
Zhiqing Sun, Hongkun Yu, Xiaodan Song, Renjie Liu, Yiming Yang and Denny Zhou

[Short] On Importance Sampling-Based Evaluation of Latent Language Models
Robert L Logan IV, Matt Gardner and Sameer Singh

[Long] SMART: Robust and Efficient Fine-Tuning for Pre-trained Natural Language Models through Principled Regularized Optimization
Haoming Jiang, Pengcheng He, Weizhu Chen, Xiaodong Liu, Jianfeng Gao and Tuo Zhao

[Short] Stolen Probability: A Structural Weakness of Neural Language Models
David Demeter, Gregory Kimmel and Doug Downey

[Long] Taxonomy Construction of Unseen Domains via Graph-based Cross-Domain Knowledge Transfer
Chao Shang, Sarthak Dash, Md. Faisal Mahbub Chowdhury, Nandana Mihindukulasooriya and Alfio Gliozzo

[Short] To Pretrain or Not to Pretrain: Examining the Benefits of Pretrainng on Resource Rich Tasks
Sinong Wang, Madian Khabsa and Hao Ma

[Short] Why Overfitting Isn't Always Bad: Retrofitting Cross-Lingual Word Embeddings to Dictionaries
Mozhi Zhang, Yoshinari Fujinuma, Michael J. Paul and Jordan Boyd-Graber

[Long] XtremeDistil: Multi-stage Distillation for Massive Multilingual Models
Subhabrata Mukherjee and Ahmed Hassan Awadallah

17:00–18:00 Session 4A NLP Applications-3

[Long] A Girl Has A Name: Detecting Authorship Obfuscation
Asad Mahmood, Zubair Shafiq and Padmini Srinivasan

[Short] DeeBERT: Dynamic Early Exiting for Accelerating BERT Inference
Ji Xin, Raphael Tang, Jaejun Lee, Yaoliang Yu and Jimmy Lin

[Short] Efficient Strategies for Hierarchical Text Classification: External Knowledge and Auxiliary Tasks
Kervy Rivas Rojas, Gina Bustamante, Arturo Oncevay and Marco Antonio Sobrevilla Cabezudo

[Long] Investigating the effect of auxiliary objectives for the automated grading of learner English speech transcriptions
Hannah Craighead, Andrew Caines, Paula Buttery and Helen Yannakoudakis

[Long] MMPE: A Multi-Modal Interface for Post-Editing Machine Translation
Nico Herbig, Tim Düwel, Santanu Pal, Kalliopi Meladaki, Mahsa Monshizadeh, Antonio Krüger and Josef van Genabith

[Long] SPECTER: Document-level Representation Learning using Citation-informed Transformers
Arman Cohan, Sergey Feldman, Iz Beltagy, Doug Downey and Daniel Weld

[Long] Semantic Scaffolds for Pseudocode-to-Code Generation
Ruiqi Zhong, Mitchell Stern and Dan Klein

17:00–18:00 Session 4A Question Answering-3

[Short] Contextualized Sparse Representations for Real-Time Open-Domain Question Answering
Jinhyuk Lee, Minjoon Seo, Hannaneh Hajishirzi and Jaewoo Kang

[Short] Dynamic Sampling Strategies for Multi-Task Reading Comprehension
Ananth Gottumukkala, Dheeru Dua, Sameer Singh and Matt Gardner

17:00–18:00 Session 4A Semantics: Textual Inference and Other Areas of Semantics-1

[Long] Can We Predict New Facts with Open Knowledge Graph Embeddings? A Benchmark for Open Link Prediction
Samuel Broscheit, Kiril Gashteovski, Yanjie Wang and Rainer Gemulla

[TACL] Decomposing Generalization: Models of Generic, Habitual and Episodic Statements
Venkata Subrahmanyan Govindarajan, Benjamin Van Durme, Aaron Steven White

[Long] INFOTABS: Inference on Tables as Semi-structured Data
Vivek Gupta, Maitrey Mehta, Pegah Nokhiz and Vivek Srikumar

[TACL] Inherent Disagreements in Human Textual Inferences
Ellie Pavlick, Tom Kwiatkowski

[Long] Interactive Machine Comprehension with Information Seeking Agents
Xingdi Yuan, Jie Fu, Marc-Alexandre Côté, Yi Tay, Chris Pal and Adam Trischler

[Short] Syntactic Data Augmentation Increases Robustness to Inference Heuristics
Junghyun Min, R. Thomas McCoy, Dipanjan Das, Emily Pitler and Tal Linzen

17:00–18:00 Session 4A Speech and Multimodality-1

[TACL] Acoustic-Prosodic and Lexical Cues to Deception and Trust: Deciphering How People Detect Lies
Xi (Leslie) Chen, Sarah Ita Levitan, Michelle Levine, Marko Mandic, and Julia Hirschberg

[Short] Improved Speech Representations with Multi-Target Autoregressive Predictive Coding
Yu-An Chung and James Glass

[Long] Integrating Multimodal Information in Large Pretrained Transformers
Wasifur Rahman, Md Kamrul Hasan, Sangwu Lee, AmirAli Bagher Zadeh, Chengfeng Mao, Louis-Philippe Morency and Ehsan Hoque

[Long] MultiQT: Multimodal learning for real-time question tracking in speech
Jakob D. Havtorn, Jan Latko, Joakim Edin, Lars Maaløe, Lasse Borgholt, Lorenzo Belgrano, Nicolai Jacobsen, Regitze Sdun and Željko Agić

[Short] Multimodal and Multiresolution Speech Recognition with Transformers
Georgios Paraskevopoulos, Srinivas Parthasarathy, Aparna Khare and Shiva Sundaram

[Long] Phone Features Improve Speech Translation
Elizabeth Salesky and Alan W Black

17:00–18:00 Session 4A Student Research Workshop

[SRW] Media Bias, the Social Sciences, and NLP: Automating Frame Analyses to Identify Bias by Word Choice and Labeling
Felix Hamborg

[SRW] Exploring Interpretability in Event Extraction: Multitask Learning of a Neural Event Classifier and an Explanation Decoder
Zheng Tang, Gus Hahn-Powell and Mihai Surdeanu

[SRW] Research Replication Prediction Using Weakly Supervised Learning
Tianyi Luo, Xingyu Li, Hainan Wang and Yang Liu

[SRW] Crossing the Line: Where do Demographic Variables Fit into Humor Detection?
J. A. Meaney

17:45–18:30 Demo Session 4B

[Demo] Talk to Papers: Bringing Neural Question Answering to Academic Search
Tiancheng Zhao and Kyusong Lee

[Demo] BENTO: A Visual Platform for Building Clinical NLP Pipelines Based on CodaLab
Yonghao Jin, Fei Li and Hong Yu

[Demo] Stanza: A Python Natural Language Processing Toolkit for Many Human Languages
Peng Qi, Yuhao Zhang, Yuhui Zhang, Jason Bolton and Christopher D. Manning

18:00–19:00 Session 4B Dialogue and Interactive Systems-8

[Long] Grounding Conversations with Improvised Dialogues
Hyundong Cho and Jonathan May

[Long] Image-Chat: Engaging Grounded Conversations
Kurt Shuster, Samuel Humeau, Antoine Bordes and Jason Weston

[Short] Learning an Unreferenced Metric for Online Dialogue Evaluation
Koustuv Sinha, Prasanna Parthasarathi, Jasmine Wang, Ryan Lowe, William L. Hamilton and Joelle Pineau

[Long] Neural Generation of Dialogue Response Timings
Matthew Roddy and Naomi Harte

[Long] The Dialogue Dodecathlon: Open-Domain Knowledge and Image Grounded Conversational Agents
Kurt Shuster, Da JU, Stephen Roller, Emily Dinan, Y-Lan Boureau and Jason Weston

18:00–19:00 Session 4B Generation-7

[Long] Automatic Poetry Generation from Prosaic Text
Tim Van de Cruys

[Long] Bridging the Structural Gap Between Encoding and Decoding for Data-To-Text Generation
Chao Zhao, Marilyn Walker and Snigdha Chaturvedi

[Short] Enabling Language Models to Fill in the Blanks
Chris Donahue, Mina Lee and Percy Liang

[Short] GPT-too: A Language-Model-First Approach for AMR-to-Text Generation
Manuel Mager, Ramón Fernandez Astudillo, Tahira Naseem, Md Arafat Sultan, Young-Suk Lee, Radu Florian and Salim Roukos

[Long] INSET: Sentence Infilling with INter-SEntential Transformer
Yichen Huang, Yizhe Zhang, Oussama Elachqar and Yu Cheng

[Long] Improving Adversarial Text Generation by Modeling the Distant Future
Ruiyi Zhang, Changyou Chen, Zhe Gan, Wenlin Wang, Dinghan Shen, Guoyin Wang, Zheng Wen and Lawrence Carin

[TACL] Leveraging Pre-trained Checkpoints for Sequence Generation Tasks
Sascha Rothe, Shashi Narayan and Aliaksei Severyn

[Long] Neural Syntactic Preordering for Controlled Paraphrase Generation
Tanya Goyal and Greg Durrett

[Short] Simple and Effective Retrieve-Edit-Rerank Text Generation
Nabil Hossain, Marjan Ghazvininejad and Luke Zettlemoyer

18:00–19:00 Session 4B Language Grounding to Vision, Robotics and Beyond-1

[Long] BabyWalk: Going Farther in Vision-and-Language Navigation by Taking Baby Steps
Wang Zhu, Hexiang Hu, Jiacheng Chen, Zhiwei Deng, Vihan Jain, Eugene Ie and Fei Sha

[Long] Cross-media Structured Common Space for Multimedia Event Extraction
Manling Li, Alireza Zareian, Qi Zeng, Spencer Whitehead, Di Lu, Heng Ji and Shih-Fu Chang

[Long] Learning to Segment Actions from Observation and Narration
Daniel Fried, Jean-Baptiste Alayrac, Phil Blunsom, Chris Dyer, Stephen Clark and Aida Nematzadeh

[Long] Learning to execute instructions in a Minecraft dialogue
Prashant Jayannavar, Anjali Narayan-Chen and Julia Hockenmaier

[Long] MART: Memory-Augmented Recurrent Transformer for Coherent Video Paragraph Captioning
Jie Lei, Liwei Wang, Yelong Shen, Dong Yu, Tamara Berg and Mohit Bansal

[Short] What is Learned in Visually Grounded Neural Syntax Acquisition
Noriyuki Kojima, Hadar Averbuch-Elor, Alexander Rush and Yoav Artzi

18:00–19:00 Session 4B Machine Learning for NLP-2

[Long] A Batch Normalized Inference Network Keeps the KL Vanishing Away
Qile Zhu, Wei Bi, Xiaojiang Liu, Xiyao Ma, Xiaolin Li and Dapeng Wu

[Short] Contextual Embeddings: When Are They Worth It?
Simran Arora, Avner May, Jian Zhang and Christopher Ré

[TACL] Efficient Contextual Representation Learning With Continuous Outputs
Liunian Harold Li, Patrick H. Chen, Cho-Jui Hsieh, Kai-Wei Chang

[Long] Interactive Classification by Asking Informative Questions
Lili Yu, Howard Chen, Sida I. Wang, Tao Lei and Yoav Artzi

[Long] Knowledge Graph Embedding Compression
Mrinmaya Sachan

[Short] Low Resource Sequence Tagging using Sentence Reconstruction
Tal Perl, Sriram Chaudhury and Raja Giryes

[Long] Masked Language Model Scoring
Julian Salazar, Davis Liang, Toan Q. Nguyen and Katrin Kirchhoff

[Long] Orthogonal Relation Transforms with Graph Context Modeling for Knowledge Graph Embedding
Yun Tang, Jing Huang, Guangtao Wang, Xiaodong He and Bowen Zhou

[TACL] Perturbation Based Learning for Structured NLP tasks with Application to Dependency Parsing
Amichay Doitch, Ram Yazdi, Tamir Hazan, Roi Reichart

[Short] Posterior Calibrated Training on Sentence Classification Tasks
Taehee Jung, Dongyeop Kang, Hua Cheng, Lucas Mentch and Thomas Schaaf

[Long] Posterior Control of Blackbox Generation
Xiang Lisa Li and Alexander Rush

[Short] Pretrained Transformers Improve Out-of-Distribution Robustness
Dan Hendrycks, Xiaoyuan Liu, Eric Wallace, Adam Dziedzic, Rishabh Krishnan and Dawn Song

[Long] Robust Encodings: A Framework for Combating Adversarial Typos
Erik Jones, Robin Jia, Aditi Raghunathan and Percy Liang

[Short] Showing Your Work Doesn't Always Work
Raphael Tang, Jaejun Lee, Ji Xin, Xinyu Liu, Yaoliang Yu and Jimmy Lin

[Long] Span Selection Pre-training for Question Answering
Michael Glass, Alfio Gliozzo, Rishav Chakravarti, Anthony Ferritto, Lin Pan, G P Shrivatsa Bhargav, Dinesh Garg and Avi Sil

[Short] Topological Sort for Sentence Ordering
Shrimai Prabhumoye, Ruslan Salakhutdinov and Alan W Black

[Long] Weight Poisoning Attacks on Pretrained Models
Keita Kurita, Paul Michel and Graham Neubig

[Long] schuBERT: Optimizing Elements of BERT
Ashish Khetan and Zohar Karnin

18:00–19:00 Session 4B Machine Translation-5

[Long] BPE-Dropout: Simple and Effective Subword Regularization
Ivan Provilkov, Dmitrii Emelianenko and Elena Voita

[Short] ENGINE: Energy-Based Inference Networks for Non-Autoregressive Machine Translation
Lifu Tu, Richard Yuanzhe Pang, Sam Wiseman and Kevin Gimpel

[Short] Leveraging Monolingual Data with Self-Supervision for Multilingual Neural Machine Translation
Aditya Siddhant, Ankur Bapna, Yuan Cao, Orhan Firat, Mia Chen, Sneha Kudugunta, Naveen Arivazhagan and Yonghui Wu

[Long] Multi-Domain Neural Machine Translation with Word-Level Adaptive Layer-wise Domain Mixing
Haoming Jiang, Chen Liang, Chong Wang and Tuo Zhao

[Long] On The Evaluation of Machine Translation SystemsTrained With Back-Translation
Sergey Edunov, Myle Ott, Marc'Aurelio Ranzato and Michael Auli

[CL] On the Linguistic Representational Power of Neural Machine Translation Models
Yonatan Belinkov, Nadir Durrani, Fahim Dalvi, Hassan Sajjad, James Glass

[Short] Simultaneous Translation Policies: From Fixed to Adaptive
Baigong Zheng, Kaibo Liu, Renjie Zheng, Mingbo Ma, Hairong Liu and Liang Huang

18:00–19:00 Session 4B Semantics: Lexical-2

[Long] Breaking Through the 80% Glass Ceiling: Raising the State of the Art in Word Sense Disambiguation by Incorporating Knowledge Graph Information
Michele Bevilacqua and Roberto Navigli

[Short] Glyph2Vec: Learning Chinese Out-of-Vocabulary Word Embedding from Glyphs
Hong-You Chen, SZ-HAN YU and Shou-de Lin

[TACL] Learning Lexical Subspaces in a Distributional Vector Space
Kushal Arora, Aishik Chakraborty, Jackie Chi Kit Cheung

[Long] Moving Down the Long Tail of Word Sense Disambiguation with Gloss Informed Bi-encoders
Terra Blevins and Luke Zettlemoyer

[Long] Multidirectional Associative Optimization of Function-Specific Word Representations
Daniela Gerz, Ivan Vulić, Marek Rei, Roi Reichart and Anna Korhonen

[Short] Predicting Degrees of Technicality in Automatic Terminology Extraction
Anna Hätty, Dominik Schlechtweg, Michael Dorna and Sabine Schulte im Walde

[Short] Verbal Multiword Expressions for Identification of Metaphor
Omid Rohanian, Marek Rei, Shiva Taslimipoor and Le An Ha

18:00–19:00 Session 4B Summarization-3

[Short] Attend to Medical Ontologies: Content Selection for Clinical Abstractive Summarization
Sajad Sotudeh Gharebagh, Nazli Goharian and Ross Filice

[Long] On Faithfulness and Factuality in Abstractive Summarization
Joshua Maynez, Shashi Narayan, Bernd Bohnet and Ryan McDonald

[Long] Screenplay Summarization Using Latent Narrative Structure
Pinelopi Papalampidi, Frank Keller, Lea Frermann and Mirella Lapata

[Long] Unsupervised Opinion Summarization with Noising and Denoising
Reinald Kim Amplayo and Mirella Lapata

18:00–19:00 Session 4B Student Research Workshop

[SRW] A Geometry-Inspired Attack for Generating Natural Language Adversarial Examples
Zhao Meng and Roger Wattenhofer

[SRW] Effectively Aligning and Filtering Parallel Corpora under Sparse Data Conditions
Steinþór Steingrímsson, Hrafn Loftsson and Andy Way

[SRW] Understanding Points of Correspondence between Sentences for Abstractive Summarization
Logan Lebanoff, John Muchovej, Franck Dernoncourt, Doo Soon Kim, Lidan Wang, Walter Chang and Fei Liu

[SRW] Noise-Based Augmentation Techniques for Emotion Datasets: What do we Recommend?
Mimansa Jaiswal and Emily Mower Provost

18:30–19:15 Demo Session 4C

[Demo] Xiaomingbot: A Multilingual Robot News Reporter
Runxin Xu, Jun Cao, Mingxuan Wang, Jiaze Chen, Hao Zhou, Ying Zeng, Yuping Wang, Li Chen, Xiang Yin, Xijin Zhang, Songcheng Jiang, Yuxuan Wang and Lei Li

[Demo] jiant: A Software Toolkit for Research on General-Purpose Text Understanding Models
Yada Pruksachatkun, Phil Yeres, Haokun Liu, Jason Phang, Phu Mon Htut, Alex Wang, Ian Tenney and Samuel R. Bowman

[Demo] The Microsoft Toolkit of Multi-Task Deep Neural Networks for Natural Language Understanding
Xiaodong Liu, Yu Wang, Jianshu Ji, Hao Cheng, Xueyun Zhu, Emmanuel Awa, Pengcheng He, Weizhu Chen, Hoifung Poon, Guihong Cao and Jianfeng Gao

20:00–20:45 Demo Session 5A

[Demo] GAIA: A Fine-grained Multimedia Knowledge Extraction System
Manling Li, Alireza Zareian, Ying Lin, Xiaoman Pan, Spencer Whitehead, Brian Chen, Bo Wu, Heng Ji, Shih-Fu Chang, Clare Voss, Daniel Napierski and Marjorie Freedman

[Demo] Trialstreamer: Mapping and Browsing Medical Evidence in Real-Time
Benjamin Nye, Ani Nenkova, Iain Marshall and Byron C. Wallace

[Demo] pyBART: Evidence-based Syntactic Transformations for IE
Aryeh Tiktinsky, Yoav Goldberg and Reut Tsarfaty

20:00–21:00 Session 5A Dialogue and Interactive Systems-9

[Long] Grounded Conversation Generation as Guided Traverses in Commonsense Knowledge Graphs
Houyu Zhang, Zhenghao Liu, Chenyan Xiong and Zhiyuan Liu

[Short] Learning an Unreferenced Metric for Online Dialogue Evaluation
Koustuv Sinha, Prasanna Parthasarathi, Jasmine Wang, Ryan Lowe, William L. Hamilton and Joelle Pineau

[Long] Negative Training for Neural Dialogue Response Generation
Tianxing He and James Glass

[Short] Recursive Template-based Frame Generation for Task Oriented Dialog
Rashmi Gangadharaiah and Balakrishnan Narayanaswamy

[Long] Speak to your Parser: Interactive Text-to-SQL with Natural Language Feedback
Ahmed Elgohary, saghar Hosseini and Ahmed Hassan Awadallah

20:00–21:00 Session 5A Generation-8

[Long] Automatic Detection of Generated Text is Easiest when Humans are Fooled
Daphne Ippolito, Daniel Duckworth, Chris Callison-Burch and Douglas Eck

[Long] Automatic Poetry Generation from Prosaic Text
Tim Van de Cruys

[Long] Bridging the Structural Gap Between Encoding and Decoding for Data-To-Text Generation
Chao Zhao, Marilyn Walker and Snigdha Chaturvedi

[Long] Cross-modal Language Generation using Pivot Stabilization for Web-scale Language Coverage
Ashish V. Thapliyal and Radu Soricut

[Short] Enabling Language Models to Fill in the Blanks
Chris Donahue, Mina Lee and Percy Liang

[Short] Few-Shot NLG with Pre-Trained Language Model
Zhiyu Chen, Harini Eavani, Wenhu Chen, Yinyin Liu and William Yang Wang

[Long] INSET: Sentence Infilling with INter-SEntential Transformer
Yichen Huang, Yizhe Zhang, Oussama Elachqar and Yu Cheng

[Long] Improved Natural Language Generation via Loss Truncation
Daniel Kang and Tatsunori Hashimoto

[Long] Improving Adversarial Text Generation by Modeling the Distant Future
Ruiyi Zhang, Changyou Chen, Zhe Gan, Wenlin Wang, Dinghan Shen, Guoyin Wang, Zheng Wen and Lawrence Carin

[Long] Learning to Update Natural Language Comments Based on Code Changes
Sheena Panthaplackel, Pengyu Nie, Milos Gligoric, Junyi Jessy Li and Raymond Mooney

[Long] Politeness Transfer: A Tag and Generate Approach
Aman Madaan, Amrith Setlur, Tanmay Parekh, Barnabas Poczos, Graham Neubig, Yiming Yang, Ruslan Salakhutdinov, Alan W Black and Shrimai Prabhumoye

[Short] Reverse Engineering Configurations of Neural Text Generation Models
Yi Tay, Dara Bahri, Che Zheng, Clifford Brunk, Donald Metzler and Andrew Tomkins

[Short] Simple and Effective Retrieve-Edit-Rerank Text Generation
Nabil Hossain, Marjan Ghazvininejad and Luke Zettlemoyer

20:00–21:00 Session 5A Information Retrieval and Text Mining-5

[Long] Contextualized Weak Supervision for Text Classification
Dheeraj Mekala and Jingbo Shang

20:00–21:00 Session 5A Machine Learning for NLP-3

[Long] Calibrating Structured Output Predictors for Natural Language Processing
Abhyuday Jagannatha and hong yu

[Long] Active Imitation Learning with Noisy Guidance
Kianté Brantley, Hal Daumé III and Amr Sharaf

[Short] ExpBERT: Representation Engineering with Natural Language Explanations
Shikhar Murty, Pang Wei Koh and Percy Liang

[Short] GAN-BERT: Generative Adversarial Learning for Robust Text Classification with a Bunch of Labeled Examples
Danilo Croce, Giuseppe Castellucci and Roberto Basili

[Long] Generalizing Natural Language Analysis through Span-relation Representations
Zhengbao Jiang, Wei Xu, Jun Araki and Graham Neubig

[Long] Learning to Contextually Aggregate Multi-Source Supervision for Sequence Labeling
Ouyu Lan, Xiao Huang, Bill Yuchen Lin, He Jiang, Liyuan Liu and Xiang Ren

[Long] MixText: Linguistically-Informed Interpolation of Hidden Space for Semi-Supervised Text Classification
Jiaao Chen, Zichao Yang and Diyi Yang

[Long] MobileBERT: a Compact Task-Agnostic BERT for Resource-Limited Devices
Zhiqing Sun, Hongkun Yu, Xiaodan Song, Renjie Liu, Yiming Yang and Denny Zhou

[Short] On Importance Sampling-Based Evaluation of Latent Language Models
Robert L Logan IV, Matt Gardner and Sameer Singh

[Long] SMART: Robust and Efficient Fine-Tuning for Pre-trained Natural Language Models through Principled Regularized Optimization
Haoming Jiang, Pengcheng He, Weizhu Chen, Xiaodong Liu, Jianfeng Gao and Tuo Zhao

[Short] Stolen Probability: A Structural Weakness of Neural Language Models
David Demeter, Gregory Kimmel and Doug Downey

[Long] Taxonomy Construction of Unseen Domains via Graph-based Cross-Domain Knowledge Transfer
Chao Shang, Sarthak Dash, Md. Faisal Mahbub Chowdhury, Nandana Mihindukulasooriya and Alfio Gliozzo

[Short] To Pretrain or Not to Pretrain: Examining the Benefits of Pretrainng on Resource Rich Tasks
Sinong Wang, Madian Khabsa and Hao Ma

[Short] Why Overfitting Isn't Always Bad: Retrofitting Cross-Lingual Word Embeddings to Dictionaries
Mozhi Zhang, Yoshinari Fujinuma, Michael J. Paul and Jordan Boyd-Graber

[Long] XtremeDistil: Multi-stage Distillation for Massive Multilingual Models
Subhabrata Mukherjee and Ahmed Hassan Awadallah

20:00–21:00 Session 5A Machine Translation-6

[Short] ENGINE: Energy-Based Inference Networks for Non-Autoregressive Machine Translation
Lifu Tu, Richard Yuanzhe Pang, Sam Wiseman and Kevin Gimpel

[Short] Improving Non-autoregressive Neural Machine Translation with Monolingual Data
Jiawei Zhou and Phillip Keung

[Short] Leveraging Monolingual Data with Self-Supervision for Multilingual Neural Machine Translation
Aditya Siddhant, Ankur Bapna, Yuan Cao, Orhan Firat, Mia Chen, Sneha Kudugunta, Naveen Arivazhagan and Yonghui Wu

[Long] Location Attention for Extrapolation to Longer Sequences
Yann Dubois, Gautier Dagan, Dieuwke Hupkes and Elia Bruni

[Long] On The Evaluation of Machine Translation SystemsTrained With Back-Translation
Sergey Edunov, Myle Ott, Marc'Aurelio Ranzato and Michael Auli

[Short] Opportunistic Decoding with Timely Correction for Simultaneous Translation
Renjie Zheng, Mingbo Ma, Baigong Zheng, Kaibo Liu and Liang Huang

[Short] Simultaneous Translation Policies: From Fixed to Adaptive
Baigong Zheng, Kaibo Liu, Renjie Zheng, Mingbo Ma, Hairong Liu and Liang Huang

20:00–21:00 Session 5A Semantics: Textual Inference and Other Areas of Semantics-2

[Long] Can We Predict New Facts with Open Knowledge Graph Embeddings? A Benchmark for Open Link Prediction
Samuel Broscheit, Kiril Gashteovski, Yanjie Wang and Rainer Gemulla

[TACL] Decomposing Generalization: Models of Generic, Habitual and Episodic Statements
Venkata Subrahmanyan Govindarajan, Benjamin Van Durme, Aaron Steven White

[Long] INFOTABS: Inference on Tables as Semi-structured Data
Vivek Gupta, Maitrey Mehta, Pegah Nokhiz and Vivek Srikumar

[TACL] Inherent Disagreements in Human Textual Inferences
Ellie Pavlick, Tom Kwiatkowski

[Long] Interactive Machine Comprehension with Information Seeking Agents
Xingdi Yuan, Jie Fu, Marc-Alexandre Côté, Yi Tay, Chris Pal and Adam Trischler

[Short] Syntactic Data Augmentation Increases Robustness to Inference Heuristics
Junghyun Min, R. Thomas McCoy, Dipanjan Das, Emily Pitler and Tal Linzen

20:00–21:00 Session 5A Speech and Multimodality-2

[TACL] Acoustic-Prosodic and Lexical Cues to Deception and Trust: Deciphering How People Detect Lies
Xi (Leslie) Chen, Sarah Ita Levitan, Michelle Levine, Marko Mandic, and Julia Hirschberg

[Short] Improved Speech Representations with Multi-Target Autoregressive Predictive Coding
Yu-An Chung and James Glass

[Long] Integrating Multimodal Information in Large Pretrained Transformers
Wasifur Rahman, Md Kamrul Hasan, Sangwu Lee, AmirAli Bagher Zadeh, Chengfeng Mao, Louis-Philippe Morency and Ehsan Hoque

[Long] MultiQT: Multimodal learning for real-time question tracking in speech
Jakob D. Havtorn, Jan Latko, Joakim Edin, Lars Maaløe, Lasse Borgholt, Lorenzo Belgrano, Nicolai Jacobsen, Regitze Sdun and Željko Agić

[Short] Multimodal and Multiresolution Speech Recognition with Transformers
Georgios Paraskevopoulos, Srinivas Parthasarathy, Aparna Khare and Shiva Sundaram

[Long] Phone Features Improve Speech Translation
Elizabeth Salesky and Alan W Black

20:00–21:00 Session 5A Theory and Formalism in NLP (Linguistic and Mathematical)-3

[Long] A Formal Hierarchy of RNN Architectures
William Merrill, Gail Weiss, Yoav Goldberg, Roy Schwartz, Noah A. Smith and Eran Yahav

[Long] Emergence of Syntax Needs Minimal Supervision
Raphaël Bailly and Kata Gábor

20:45–21:30 Demo Session 5B

[Demo] Multilingual Universal Sentence Encoder for Semantic Retrieval
Yinfei Yang, Daniel Cer, Amin Ahmad, Mandy Guo, Jax Law, Noah Constant, Gustavo Hernandez Abrego, Steve Yuan, Chris Tar, Yun-hsuan Sung, Brian Strope and Ray Kurzweil

[Demo] SyntaxGym: An Online Platform for Targeted Evaluation of Language Models
Jon Gauthier, Jennifer Hu, Ethan Wilcox, Peng Qian and Roger Levy

21:00–22:00 Session 5B Cognitive Modeling and Psycholinguistics-5

[Long] A Systematic Assessment of Syntactic Generalization in Neural Language Models
Jennifer Hu, Jon Gauthier, Peng Qian, Ethan Wilcox and Roger Levy

[Long] A Tale of Two Perplexities: Sensitivity of Neural Language Models to Lexical Retrieval Deficits in Dementia of the Alzheimer's Type
Trevor Cohen and Serguei Pakhomov

[Short] Learning to Understand Child-directed and Adult-directed Speech
Lieke Gelderloos, Grzegorz Chrupała and Afra Alishahi

[Short] Overestimation of Syntactic Representation in Neural Language Models
Jordan Kodner and Nitish Gupta

[Long] Probing Linguistic Systematicity
Emily Goodwin, Koustuv Sinha and Timothy J. O'Donnell

[Short] Recollection versus Imagination: Exploring Human Memory and Cognition via Neural Language Models
Maarten Sap, Eric horvitz, Yejin Choi, Noah A. Smith and James Pennebaker

[Long] Recurrent Neural Network Language Models Always Learn English-Like Relative Clause Attachment
Forrest Davis and Marten van Schijndel

[Long] Speakers enhance contextually confusable words
Eric Meinhardt, Eric Bakovic and Leon Bergen

[Long] Suspense in Short Stories is Predicted By Uncertainty Reduction over Neural Story Representation
David Wilmot and Frank Keller

[Long] What determines the order of adjectives in English? Comparing efficiency-based theories using dependency treebanks
Richard Futrell, William Dyer and Greg Scontras

21:00–22:00 Session 5B Dialogue and Interactive Systems-10

[Short] "None of the Above": Measure Uncertainty in Dialog Response Retrieval
Yulan Feng, Shikib Mehri, Maxine Eskenazi and Tiancheng Zhao

[Long] Can You Put it All Together: Evaluating Conversational Agents' Ability to Blend Skills
Eric Michael Smith, Mary Williamson, Kurt Shuster, Jason Weston and Y-Lan Boureau

[Long] Conversational Graph Grounded Policy Learning for Open-Domain Conversation Generation
Jun Xu, Haifeng Wang, Zheng-Yu Niu, Hua Wu, Wanxiang Che and Ting Liu

[Long] Grounding Conversations with Improvised Dialogues
Hyundong Cho and Jonathan May

[Long] Image-Chat: Engaging Grounded Conversations
Kurt Shuster, Samuel Humeau, Antoine Bordes and Jason Weston

[Long] Large Scale Multi-Actor Generative Dialog Modeling
Alex Boyd, Raul Puri, Mohammad Shoeybi, Mostofa Patwary and Bryan Catanzaro

[Long] Neural Generation of Dialogue Response Timings
Matthew Roddy and Naomi Harte

[CL] The Design and Implementation of XiaoIce, an Empathetic Social Chatbot
Li Zhou, Jianfeng Gao, Di Li, Heung-Yeung Shum

[Long] The Dialogue Dodecathlon: Open-Domain Knowledge and Image Grounded Conversational Agents
Kurt Shuster, Da JU, Stephen Roller, Emily Dinan, Y-Lan Boureau and Jason Weston

21:00–22:00 Session 5B Language Grounding to Vision, Robotics and Beyond-2

[Long] BabyWalk: Going Farther in Vision-and-Language Navigation by Taking Baby Steps
Wang Zhu, Hexiang Hu, Jiacheng Chen, Zhiwei Deng, Vihan Jain, Eugene Ie and Fei Sha

[Long] Cross-media Structured Common Space for Multimedia Event Extraction
Manling Li, Alireza Zareian, Qi Zeng, Spencer Whitehead, Di Lu, Heng Ji and Shih-Fu Chang

[Long] Learning to Segment Actions from Observation and Narration
Daniel Fried, Jean-Baptiste Alayrac, Phil Blunsom, Chris Dyer, Stephen Clark and Aida Nematzadeh

[Long] Learning to execute instructions in a Minecraft dialogue
Prashant Jayannavar, Anjali Narayan-Chen and Julia Hockenmaier

[Long] MART: Memory-Augmented Recurrent Transformer for Coherent Video Paragraph Captioning
Jie Lei, Liwei Wang, Yelong Shen, Dong Yu, Tamara Berg and Mohit Bansal

[Short] What is Learned in Visually Grounded Neural Syntax Acquisition
Noriyuki Kojima, Hadar Averbuch-Elor, Alexander Rush and Yoav Artzi

21:00–22:00 Session 5B Machine Learning for NLP-4

[Long] A Batch Normalized Inference Network Keeps the KL Vanishing Away
Qile Zhu, Wei Bi, Xiaojiang Liu, Xiyao Ma, Xiaolin Li and Dapeng Wu

[Short] Contextual Embeddings: When Are They Worth It?
Simran Arora, Avner May, Jian Zhang and Christopher Ré

[TACL] Efficient Contextual Representation Learning With Continuous Outputs
Liunian Harold Li, Patrick H. Chen, Cho-Jui Hsieh, Kai-Wei Chang

[Long] Interactive Classification by Asking Informative Questions
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[Long] Weight Poisoning Attacks on Pretrained Models
Keita Kurita, Paul Michel and Graham Neubig

[Long] schuBERT: Optimizing Elements of BERT
Ashish Khetan and Zohar Karnin

21:00–22:00 Session 5B NLP Applications-4

[Long] "The Boating Store Had Its Best Sail Ever": Pronunciation-attentive Contextualized Pun Recognition
Yichao Zhou, Jyun-Yu Jiang, Jieyu Zhao, Kai-Wei Chang and Wei Wang

[Long] A Girl Has A Name: Detecting Authorship Obfuscation
Asad Mahmood, Zubair Shafiq and Padmini Srinivasan

[Short] DeeBERT: Dynamic Early Exiting for Accelerating BERT Inference
Ji Xin, Raphael Tang, Jaejun Lee, Yaoliang Yu and Jimmy Lin

[Short] Efficient Strategies for Hierarchical Text Classification: External Knowledge and Auxiliary Tasks
Kervy Rivas Rojas, Gina Bustamante, Arturo Oncevay and Marco Antonio Sobrevilla Cabezudo

[Long] Investigating the effect of auxiliary objectives for the automated grading of learner English speech transcriptions
Hannah Craighead, Andrew Caines, Paula Buttery and Helen Yannakoudakis

[Long] SPECTER: Document-level Representation Learning using Citation-informed Transformers
Arman Cohan, Sergey Feldman, Iz Beltagy, Doug Downey and Daniel Weld

[Long] Semantic Scaffolds for Pseudocode-to-Code Generation
Ruiqi Zhong, Mitchell Stern and Dan Klein

21:00–22:00 Session 5B Semantics: Lexical-3

[Long] Breaking Through the 80% Glass Ceiling: Raising the State of the Art in Word Sense Disambiguation by Incorporating Knowledge Graph Information
Michele Bevilacqua and Roberto Navigli

[Short] Glyph2Vec: Learning Chinese Out-of-Vocabulary Word Embedding from Glyphs
Hong-You Chen, SZ-HAN YU and Shou-de Lin

[TACL] Learning Lexical Subspaces in a Distributional Vector Space
Kushal Arora, Aishik Chakraborty, Jackie Chi Kit Cheung

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Daniela Gerz, Ivan Vulić, Marek Rei, Roi Reichart and Anna Korhonen

[Short] Predicting Degrees of Technicality in Automatic Terminology Extraction
Anna Hätty, Dominik Schlechtweg, Michael Dorna and Sabine Schulte im Walde

[Short] Verbal Multiword Expressions for Identification of Metaphor
Omid Rohanian, Marek Rei, Shiva Taslimipoor and Le An Ha

Monday, July 6, 2020 UTC+0 (continued)

21:30–22:15 Demo Session 5C

[Demo] jiant: A Software Toolkit for Research on General-Purpose Text Understanding Models
Yada Pruksachatkun, Phil Yeres, Haokun Liu, Jason Phang, Phu Mon Htut, Alex Wang, Ian Tenney and Samuel R. Bowman

[Demo] The Microsoft Toolkit of Multi-Task Deep Neural Networks for Natural Language Understanding
Xiaodong Liu, Yu Wang, Jianshu Ji, Hao Cheng, Xueyun Zhu, Emmanuel Awa, Pengcheng He, Weizhu Chen, Hoifung Poon, Guihong Cao and Jianfeng Gao

[Demo] Stanza: A Python Natural Language Processing Toolkit for Many Human Languages
Peng Qi, Yuhao Zhang, Yuhui Zhang, Jason Bolton and Christopher D. Manning

Tuesday, July 7, 2020 UTC+0

05:00–05:45 Demo Session 1A

[Demo] LinggleWrite: a Coaching System for Essay Writing
Chung-Ting Tsai, Jhih-Jie Chen, Ching-Yu Yang and Jason S. Chang

05:00–06:00 Session 6A Ethics and NLP-1

[Long] Gender Bias in Multilingual Embeddings and Cross-Lingual Transfer
Jieyu Zhao, Subhabrata Mukherjee, saghar Hosseini, Kai-Wei Chang and Ahmed Hassan Awadallah

[Short] Give Me Convenience and Give Her Death: Who Should Decide What Uses of NLP are Appropriate, and on What Basis?
kobi leins, Jey Han Lau and Timothy Baldwin

[Short] Is Your Classifier Actually Biased? Measuring Fairness under Uncertainty with Bernstein Bounds
Kawin Ethayarajh

[Long] It's Morphin' Time! Combating Linguistic Discrimination with Inflectional Perturbations
Samson Tan, Shafiq Joty, Min-Yen Kan and Richard Socher

[Short] Mitigating Gender Bias Amplification in Distribution by Posterior Regularization
Shengyu Jia, Tao Meng, Jieyu Zhao and Kai-Wei Chang

[Long] Towards Understanding Gender Bias in Relation Extraction
Andrew Gaut, Tony Sun, Shirlyn Tang, Yuxin Huang, Jing Qian, Mai ElSherief, Jieyu Zhao, Diba Mirza, Elizabeth Belding, Kai-Wei Chang and William Yang Wang

05:00–06:00 Session 6A Machine Learning for NLP-5

[Short] A Probabilistic Generative Model for Typographical Analysis of Early Modern Printing
Kartik Goyal, Chris Dyer, Christopher Warren, Maxwell G'Sell and Taylor Berg-Kirkpatrick

[Long] Attentive Pooling with Learnable Norms for Text Representation
Chuhan Wu, Fangzhao Wu, Tao Qi, Xiaohui Cui and Yongfeng Huang

[Long] Estimating the influence of auxiliary tasks for multi-task learning of sequence tagging tasks
Fynn Schröder and Chris Biemann

[Long] How Does Selective Mechanism Improve Self-Attention Networks?
Xinwei Geng, Longyue Wang, Xing Wang, Bing Qin, Ting Liu and Zhaopeng Tu

[Long] Improving Transformer Models by Reordering their Sublayers
Ofir Press, Noah A. Smith and Omer Levy

[Short] Single Model Ensemble using Pseudo-Tags and Distinct Vectors
Ryosuke Kuwabara, Jun Suzuki and Hideki Nakayama

[Long] Zero-shot Text Classification via Reinforced Self-training
Zhiquan Ye, Yuxia Geng, Jiaoyan Chen, Jingmin Chen, Xiaoxiao Xu, SuHang Zheng, Feng Wang, Jun Zhang and Huajun Chen

05:00–06:00 Session 6A Machine Translation-7

[Long] A Novel Graph-based Multi-modal Fusion Encoder for Neural Machine Translation
Yongjing Yin, Fandong Meng, Jinsong Su, Chulun Zhou, Zhengyuan Yang, Jie Zhou and Jiebo Luo

[Short] A Relaxed Matching Procedure for Unsupervised BLI
Xu Zhao, Zihao Wang, Yong Zhang and Hao Wu

[Long] Dynamic Programming Encoding for Subword Segmentation in Neural Machine Translation
Xuanli He, Gholamreza Haffari and Mohammad Norouzi

[Short] Geometry-aware domain adaptation for unsupervised alignment of word embeddings
Pratik Jawanpuria, Mayank Meghwanshi and Bamdev Mishra

[Long] Learning to Recover from Multi-Modality Errors for Non-Autoregressive Neural Machine Translation
Qiu Ran, Yankai Lin, Peng Li and Jie Zhou

[Long] On the Inference Calibration of Neural Machine Translation
Shuo Wang, Zhaopeng Tu, Shuming Shi and Yang Liu

[CL] Unsupervised Word Translation with Adversarial Autoencoder
Tasnim Mohiuddin, Shafiq Joty

05:00–06:00 Session 6A NLP Applications-5

[Short] Camouflaged Chinese Spam Content Detection with Semi-supervised Generative Active Learning
Zhuoren Jiang, Zhe Gao, Yu Duan, Yangyang Kang, Changlong Sun, Qiong Zhang and Xiaozhong Liu

[Long] Distinguish Confusing Law Articles for Legal Judgment Prediction
Nuo Xu, Pinghui Wang, Long Chen, Li Pan, Xiaoyan Wang and Junzhou Zhao

[Long] Hiring Now: A Skill-Aware Multi-Attention Model for Job Posting Generation
Liting Liu, Jie Liu, Wenzheng Zhang, Ziming Chi, Wenxuan Shi and Yalou Huang

[Long] HyperCore: Hyperbolic and Co-graph Representation for Automatic ICD Coding
Pengfei Cao, Yubo Chen, Kang Liu, Jun Zhao, Shengping Liu and Weifeng Chong

[Long] Hyperbolic Capsule Networks for Multi-Label Classification
Boli Chen, Xin Huang, Lin Xiao and Liping Jing

[Long] Improving Segmentation for Technical Support Problems
Kushal Chauhan and Abhirut Gupta

[Short] MOOCCube: A Large-scale Data Repository for NLP Applications in MOOCs
Jifan Yu, Gan Luo, Tong Xiao, Qingyang Zhong, Yuquan Wang, wenzheng feng, Junyi Luo, Chenyu Wang, Lei Hou, Juanzi Li, Zhiyuan Liu and Jie Tang

[Long] Towards Interpretable Clinical Diagnosis with Bayesian Network Ensembles Stacked on Entity-Aware CNNs
Jun Chen, Xiaoya Dai, Quan Yuan, Chao Lu and Haifeng Huang

Tuesday, July 7, 2020 UTC+0 (continued)

05:00–06:00 Session 6A Sentiment Analysis, Stylistic Analysis, and Argument Mining-1

[Short] Analyzing the Persuasive Effect of Style in News Editorial Argumentation
Roxanne El Baff, Henning Wachsmuth, Khalid Al Khatib and Benno Stein

[Long] ECPE-2D: Emotion-Cause Pair Extraction based on Joint Two-Dimensional Representation, Interaction and Prediction
Zixiang Ding, Rui Xia and Jianfei Yu

[Long] Effective Inter-Clause Modeling for End-to-End Emotion-Cause Pair Extraction
Penghui Wei, Jiahao Zhao and Wenji Mao

[Short] Embarrassingly Simple Unsupervised Aspect Extraction
Stéphan Tulkens and Andreas van Cranenburgh

[Long] Enhancing Cross-target Stance Detection with Transferable Semantic-Emotion Knowledge
Bowen Zhang, Min Yang, Xutao Li, Yunming Ye, Xiaofei Xu and Kuai Dai

[Long] KinGDOM: Knowledge-Guided DOMain Adaptation for Sentiment Analysis
Deepanway Ghosal, Devamanyu Hazarika, Abhinaba Roy, Navonil Majumder, Rada Mihalcea and Soujanya Poria

[Long] Modelling Context and Syntactical Features for Aspect-based Sentiment Analysis
Minh Hieu Phan and Philip O. Ogunbona

[Short] Parallel Data Augmentation for Formality Style Transfer
Yi Zhang, Tao Ge and Xu SUN

[Long] Relational Graph Attention Network for Aspect-based Sentiment Analysis
Kai Wang, Weizhou Shen, Yunyi Yang, Xiaojun Quan and Rui Wang

[Long] SpanMlt: A Span-based Multi-Task Learning Framework for Pair-wise Aspect and Opinion Terms Extraction
He Zhao, Longtao Huang, Rong Zhang, Quan Lu and hui xue

[Long] Syntax-Aware Opinion Role Labeling with Dependency Graph Convolutional Networks
Bo Zhang, Yue Zhang, Rui Wang, Zhenghua Li and Min Zhang

[TACL] Target-Guided Structured Attention Network for Target-dependent Sentiment Analysis
Ji Zhang, Chengyao Chen, Pengfei Liu, Chao He, Cane Wing-Ki Leung

[Short] Towards Better Non-Tree Argument Mining: Proposition-Level Biaffine Parsing with Task-Specific Parameterization
Gaku Morio, Hiroaki Ozaki, Terufumi Morishita, Yuta Koreeda and Kohsuke Yanai

05:00–06:00 Session 6A Syntax: Tagging, Chunking and Parsing-1

[TACL] A Graph-based Model for Joint Chinese Word Segmentation and Dependency Parsing
Hang Yan, Xipeng Qiu, Xuanjing Huang

[Long] A Span-based Linearization for Constituent Trees
Yang Wei, Yuanbin Wu and Man Lan

[Short] An Empirical Comparison of Unsupervised Constituency Parsing Methods
Jun Li, Yifan Cao, Jiong Cai, Yong Jiang and Kewei Tu

[Long] Efficient Constituency Parsing by Pointing
Thanh-Tung Nguyen, Xuan-Phi Nguyen, Shafiq Joty and Xiaoli Li

[Long] Efficient Second-Order TreeCRF for Neural Dependency Parsing
Yu Zhang, Zhenghua Li and Min Zhang

[Short] Representations of Syntax [MASK] Useful: Effects of Constituency and Dependency Structure in Recursive LSTMs
Michael Lepori, Tal Linzen and R. Thomas McCoy

[Long] Structure-Level Knowledge Distillation For Multilingual Sequence Labeling
Xinyu Wang, Yong Jiang, Nguyen Bach, Tao Wang, Fei Huang and Kewei Tu

Tuesday, July 7, 2020 UTC+0 (continued)

05:00–06:00 Session 6A Student Research Workshop

[SRW] uBLEU: Uncertainty-Aware Automatic Evaluation Method for Open-Domain Dialogue Systems
Tsuta Yuma, Naoki Yoshinaga and Masashi Toyoda

[SRW] To compress or not to compress? A Finite-State approach to Nen verbal morphology
Saliha Muradoglu, Nicholas Evans and Hanna Suominen

[SRW] AraDIC: Arabic Document Classification Using Image-Based Character Embeddings and Class-Balanced Loss
Mahmoud Daif, Shunsuke Kitada and Hitoshi Iyatomi

[SRW] Self-Attention is Not Only a Weight: Analyzing BERT with Vector Norms
Goro Kobayashi, Tatsuki Kuribayashi, Sho Yokoi and Kentaro Inui

05:45–06:30 Demo Session 1B

[Demo] CLIReval: Evaluating Machine Translation as a Cross-Lingual Information Retrieval Task
Shuo Sun, Suzanna Sia and Kevin Duh

06:00–07:00 Session 6B Computational Social Science and Social Media-4

[Long] Dynamic Online Conversation Recommendation
Xingshan Zeng, Jing Li, Lu Wang, Zhiming Mao and Kam-Fai Wong

[Long] Improving Multimodal Named Entity Recognition via Entity Span Detection with Unified Multimodal Transformer
Jianfei Yu, Jing Jiang, Li Yang and Rui Xia

[Long] Stock Embeddings Acquired from News Articles and Price History, and an Application to Portfolio Optimization
Xin Du and Kumiko Tanaka-Ishii

[Long] What Was Written vs. Who Read It: News Media Profiling Using Text Analysis and Social Media Context
Ramy Baly, Georgi Karadzhov, Jisun An, Haewoon Kwak, Yoan Dinkov, Ahmed Ali, James Glass and Preslav Nakov

Tuesday, July 7, 2020 UTC+0 (continued)

06:00–07:00 Session 6B Interpretability and Analysis of Models for NLP-1

[Long] An Analysis of the Utility of Explicit Negative Examples to Improve the Syntactic Abilities of Neural Language Models
Hiroshi Noji and Hiroya Takamura

[TACL] Membership Inference Attacks on Sequence-to-Sequence Models: Is My Data In Your Machine Translation System?
Sorami Hisamoto, Matt Post, Kevin Duh

[Long] On the Robustness of Language Encoders against Grammatical Errors
Fan Yin, Quanyu Long, Tao Meng and Kai-Wei Chang

[Long] Roles and Utilization of Attention Heads in Transformer-based Neural Language Models
Jae-young Jo and Sung-Hyon Myaeng

[TACL] Tabula nearly rasa: Probing the linguistic knowledge of character-level neural language models trained on unsegmented text
Michael Hahn, Marco Baroni

[Long] Understanding Attention for Text Classification
Xiaobing Sun and Wei Lu

06:00–07:00 Session 6B Machine Learning for NLP-6

[Short] A Relational Memory-based Embedding Model for Triple Classification and Search Personalization
Dai Quoc Nguyen, Tu Nguyen and Dinh Phung

[Short] Do you have the right scissors? Tailoring Pre-trained Language Models via Monte-Carlo Methods
Ning Miao, Yuxuan Song, Hao Zhou and Lei Li

[Short] Enhancing Pre-trained Chinese Character Representation with Word-aligned Attention
Yanzeng Li, Bowen Yu, Xue Mengge and Tingwen Liu

[Long] On the Encoder-Decoder Incompatibility in Variational Text Modeling and Beyond
Chen Wu, Prince Zizhuang Wang and William Yang Wang

[Short] SAFER: A Structure-free Approach for Certified Robustness to Adversarial Word Substitutions
Mao Ye, Chengyue Gong and Qiang Liu

06:00–07:00 Session 6B Machine Translation-8

[Long] A Graph-based Coarse-to-fine Method for Unsupervised Bilingual Lexicon Induction
Shuo Ren, Shujie Liu, Ming Zhou and Shuai Ma

[Long] A Reinforced Generation of Adversarial Examples for Neural Machine Translation
wei zou, Shujian Huang, Jun Xie, Xinyu Dai and Jiajun CHEN

[Short] A Retrieve-and-Rewrite Initialization Method for Unsupervised Machine Translation
Shuo Ren, Yu Wu, Shujie Liu, Ming Zhou and Shuai Ma

[Short] A Simple and Effective Unified Encoder for Document-Level Machine Translation
Shuming Ma, Dongdong Zhang and Ming Zhou

[Short] Does Multi-Encoder Help? A Case Study on Context-Aware Neural Machine Translation
Bei Li, Hui Liu, Ziyang Wang, Yufan Jiang, Tong Xiao, Jingbo Zhu, Tongran Liu and changliang li

[Short] Dynamically Adjusting Transformer Batch Size by Monitoring Gradient Direction Change
Hongfei Xu, Josef van Genabith, Deyi Xiong and Qiuhui Liu

[Long] Knowledge Distillation for Multilingual Unsupervised Neural Machine Translation
Haipeng Sun, Rui Wang, Kehai Chen, Masao Utiyama, Eiichiro Sumita and Tiejun Zhao

[Short] Lexically Constrained Neural Machine Translation with Levenshtein Transformer
Raymond Hendy Susanto, Shamil Chollampatt and Liling Tan

[Short] On Exposure Bias, Hallucination and Domain Shift in Neural Machine Translation
Chaojun Wang and Rico Sennrich

06:00–07:00 Session 6B Resources and Evaluation-5

[Short] Automatic Machine Translation Evaluation using Source Language Inputs and Cross-lingual Language Model
Kosuke Takahashi, Katsuhito Sudoh and Satoshi Nakamura

[Long] ChartDialogs: Plotting from Natural Language Instructions
Yutong Shao and Ndapa Nakashole

[Long] GLUECoS: An Evaluation Benchmark for Code-Switched NLP
Simran Khanuja, Sandipan Dandapat, Anirudh Srinivasan, Sunayana Sitaram and Monojit Choudhury

[Long] MATINF: A Jointly Labeled Large-Scale Dataset for Classification, Question Answering and Summarization
Canwen Xu, Jiaxin Pei, Hongtao Wu, Yiyu Liu and Chenliang Li

[Long] MIND: A Large-scale Dataset for News Recommendation
Fangzhao Wu, Ying Qiao, Jiun-Hung Chen, Chuhan Wu, Tao Qi, Jianxun Lian, Danyang Liu, Xing Xie, Jianfeng Gao, Winnie Wu and Ming Zhou

[Long] That is a Known Lie: Detecting Previously Fact-Checked Claims
Shaden Shaar, Nikolay Babulkov, Giovanni Da San Martino and Preslav Nakov

[Long] Towards Holistic and Automatic Evaluation of Open-Domain Dialogue Generation
Bo Pang, Erik Nijkamp, Wenjuan Han, Linqi Zhou, Yixian Liu and Kewei Tu

06:00–07:00 Session 6B Semantics: Lexical-4

[Long] BiRRE: Learning Bidirectional Residual Relation Embeddings for Supervised Hypernymy Detection
Chengyu Wang and XIAOFENG HE

[Long] Biomedical Entity Representations with Synonym Marginalization
Mujeen Sung, Hwisang Jeon, Jinhyuk Lee and Jaewoo Kang

[Short] Hypernymy Detection for Low-Resource Languages via Meta Learning
Changlong Yu, Jialong Han, Haisong Zhang and Wilfred Ng

[Long] Investigating Word-Class Distributions in Word Vector Spaces
Ryohei Sasano and Anna Korhonen

06:00–07:00 Session 6B Sentiment Analysis, Stylistic Analysis, and Argument Mining-2

[Long] Aspect Sentiment Classification with Document-level Sentiment Preference Modeling
Xiao Chen, Changlong Sun, Jingjing Wang, Shoushan Li, Luo Si, Min Zhang and Guodong Zhou

[Short] Don't Eclipse Your Arts Due to Small Discrepancies: Boundary Repositioning with a Pointer Network for Aspect Extraction
Zhenkai Wei, Yu Hong, Bowei Zou, Meng Cheng and Jianmin YAO

[Long] Relation-Aware Collaborative Learning for Unified Aspect-Based Sentiment Analysis
Zhuang Chen and Tieyun Qian

[Long] SentiBERT: A Transferable Transformer-Based Architecture for Compositional Sentiment Semantics
Da Yin, Tao Meng and Kai-Wei Chang

[Long] Transition-based Directed Graph Construction for Emotion-Cause Pair Extraction
Chuang Fan, Chaofa Yuan, Jiachen Du, Lin Gui, Min Yang and Ruifeng Xu

Tuesday, July 7, 2020 UTC+0 (continued)

06:00–07:00 Session 6B Speech and Multimodality-3

[Long] CH-SIMS: A Chinese Multimodal Sentiment Analysis Dataset with Fine-grained Annotation of Modality
Wenmeng Yu, Hua Xu, Fanyang Meng, Yilin Zhu, Yixiao Ma, Jiele Wu, Jiyun Zou and Kaicheng Yang

[Long] Curriculum Pre-training for End-to-End Speech Translation
Chengyi Wang, Yu Wu, Shujie Liu, Ming Zhou and Zhenglu Yang

[Long] How Accents Confound: Probing for Accent Information in End-to-End Speech Recognition Systems
Archiki Prasad and Preethi Jyothi

[Long] Improving Disfluency Detection by Self-Training a Self-Attentive Model
Paria Jamshid Lou and Mark Johnson

[Short] Learning Spoken Language Representations with Neural Lattice Language Modeling
Chao-Wei Huang and Yun-Nung Chen

[Short] Meta-Transfer Learning for Code-Switched Speech Recognition
Genta Indra Winata, Samuel Cahyawijaya, Zhaojiang Lin, Zihan Liu, Peng Xu and Pascale Fung

[Long] Reasoning with Multimodal Sarcastic Tweets via Modeling Cross-Modality Contrast and Semantic Association
Nan Xu, Zhixiong Zeng and Wenji Mao

[Long] SimulSpeech: End-to-End Simultaneous Speech to Text Translation
Yi Ren, Jinglin Liu, Xu Tan, Chen Zhang, Tao QIN, Zhou Zhao and Tie-Yan Liu

[Short] Towards end-2-end learning for predicting behavior codes from spoken utterances in psychotherapy conversations
Karan Singla, Zhuohao Chen, David Atkins and Shrikanth Narayanan

Tuesday, July 7, 2020 UTC+0 (continued)

06:00–07:00 Session 6B Student Research Workshop

[SRW] Embeddings of Label Components for Sequence Labeling: A Case Study of Fine-grained Named Entity Recognition
Takuma Kato, Kaori Abe, Hiroki Ouchi, Shumpei Miyawaki, Jun Suzuki and Kentaro Inui

[SRW] Building a Japanese Typo Dataset from Wikipedia's Revision History
Yu Tanaka, Yugo Murawaki, Daisuke Kawahara and Sadao Kurohashi

[SRW] Preventing Critical Scoring Errors in Short Answer Scoring with Confidence Estimation
Hiroaki Funayama, Shota Sasaki, Yuichiroh Matsubayashi, Tomoya Mizumoto, Jun Suzuki, Masato Mita and Kentaro Inui

06:30–07:15 Demo Session 1C

[Demo] ConvLab-2: An Open-Source Toolkit for Building, Evaluating, and Diagnosing Dialogue Systems
Qi Zhu, Zheng Zhang, Yan Fang, Xiang Li, Ryuichi Takanobu, Jinchao Li, Baolin Peng, Jianfeng Gao, Xiaoyan Zhu and Minlie Huang

08:00–08:45 Demo Session 2A

[Demo] OpusFilter: A Configurable Parallel Corpus Filtering Toolbox
Mikko Aulamo, Sami Virpioja and Jörg Tiedemann

08:00–09:00 Session 7A Computational Social Science and Social Media-5

[Long] Dynamic Online Conversation Recommendation
Xingshan Zeng, Jing Li, Lu Wang, Zhiming Mao and Kam-Fai Wong

[Short] Neural Temporal Opinion Modelling for Opinion Prediction on Twitter
Lixing Zhu, Yulan He and Deyu Zhou

[Long] Stock Embeddings Acquired from News Articles and Price History, and an Application to Portfolio Optimization
Xin Du and Kumiko Tanaka-Ishii

[Long] What Was Written vs. Who Read It: News Media Profiling Using Text Analysis and Social Media Context
Ramy Baly, Georgi Karadzhov, Jisun An, Haewoon Kwak, Yoan Dinkov, Ahmed Ali, James Glass and Preslav Nakov

[Long] It Takes Two to Lie: One to Lie, and One to Listen
Denis Peskov, Benny Cheng, Ahmed Elgohary, Joe Barrow, Cristian Danescu-Niculescu-Mizil and Jordan Boyd-Graber

08:00–09:00 Session 7A Generation-9

[Short] Learning Implicit Text Generation via Feature Matching
Inkit Padhi, Pierre Dognin, Ke Bai, Cícero Nogueira dos Santos, Vijil Chenthamarakshan, Youssef Mroueh and Payel Das

[Short] Two Birds, One Stone: A Simple, Unified Model for Text Generation from Structured and Unstructured Data
Hamidreza Shahidi, Ming Li and Jimmy Lin

08:00–09:00 Session 7A Machine Learning for NLP-7

[Short] Bayesian Hierarchical Words Representation Learning
Oren Barkan, Idan Rejwan, Avi Caciularu and Noam Koenigstein

[Long] How Does Selective Mechanism Improve Self-Attention Networks?
Xinwei Geng, Longyue Wang, Xing Wang, Bing Qin, Ting Liu and Zhaopeng Tu

[Long] Pre-training Is (Almost) All You Need: An Application to Commonsense Reasoning
Alexandre Tamborrino, Nicola Pellicanò, Baptiste Pannier, Pascal Voitot and Louise Naudin

[Long] SEEK: Segmented Embedding of Knowledge Graphs
Wentao Xu, Shun Zheng, Liang He, Bin Shao, Jian Yin and Tie-Yan Liu

[Long] Zero-shot Text Classification via Reinforced Self-training
Zhiquan Ye, Yuxia Geng, Jiaoyan Chen, Jingmin Chen, Xiaoxiao Xu, SuHang Zheng, Feng Wang, Jun Zhang and Huajun Chen

08:00–09:00 Session 7A Machine Translation-9

[Long] A Novel Graph-based Multi-modal Fusion Encoder for Neural Machine Translation
Yongjing Yin, Fandong Meng, Jinsong Su, Chulun Zhou, Zhengyuan Yang, Jie Zhou and Jiebo Luo

[CL] A Systematic Study of Inner-Attention-Based Sentence Representations in Multilingual Neural Machine Translation
Raúl Vázquez, Alessandro Raganato, Mathias Creutz, Jörg Tiedemann

[TACL] Better Document-level Machine Translation with Bayes' Rule
Lei Yu, Laurent Sartran, Wojciech Stokowiec, Wang Ling, Lingpeng Kong, Phil Blunsom, Chris Dyer

[Long] Dynamic Programming Encoding for Subword Segmentation in Neural Machine Translation
Xuanli He, Gholamreza Haffari and Mohammad Norouzi

[Long] On the Inference Calibration of Neural Machine Translation
Shuo Wang, Zhaopeng Tu, Shuming Shi and Yang Liu

[Long] Selecting Backtranslated Data from Multiple Sources for Improved Neural Machine Translation
Xabier Soto, Dimitar Shterionov, Alberto Poncelas and Andy Way

[Short] Successfully Applying the Stabilized Lottery Ticket Hypothesis to the Transformer Architecture
Christopher Brix, Parnia Bahar and Hermann Ney

08:00–09:00 Session 7A Question Answering-4

[Long] A Self-Training Method for Machine Reading Comprehension with Soft Evidence Extraction
Yilin Niu, Fangkai Jiao, Mantong Zhou, Ting Yao, jingfang xu and Minlie Huang

[Long] Graph-to-Tree Learning for Solving Math Word Problems
Jipeng Zhang, Lei Wang, Roy Ka-Wei Lee, Yi Bin, Yan Wang, Jie Shao and Ee-Peng Lim

08:00–09:00 Session 7A Resources and Evaluation-6

[Long] An Effectiveness Metric for Ordinal Classification: Formal Properties and Experimental Results
Enrique Amigo, Julio Gonzalo, Stefano Mizzaro and Jorge Carrillo-de-Albornoz

[Long] GLUECoS: An Evaluation Benchmark for Code-Switched NLP
Simran Khanuja, Sandipan Dandapat, Anirudh Srinivasan, Sunayana Sitaram and Monojit Choudhury

08:00–09:00 Session 7A Semantics: Lexical-5

[Long] Adaptive Compression of Word Embeddings
Yeachan Kim, Kang-Min Kim and SangKeun Lee

[Long] Analysing Lexical Semantic Change with Contextualised Word Representations
Mario Giulianelli, Marco Del Tredici and Raquel Fernández

[Short] Autoencoding Keyword Correlation Graph for Document Clustering
Billy Chiu, Sunil Kumar Sahu, Derek Thomas, Neha Sengupta and Mohammady Mahdy

[Long] Autoencoding Pixies: Amortised Variational Inference with Graph Convolutions for Functional Distributional Semantics
Guy Emerson

[Long] BERTRAM: Improved Word Embeddings Have Big Impact on Contextualized Model Performance
Timo Schick and Hinrich Schütze

[Long] BiRRE: Learning Bidirectional Residual Relation Embeddings for Supervised Hypernymy Detection
Chengyu Wang and XIAOFENG HE

[Long] Biomedical Entity Representations with Synonym Marginalization
Mujeen Sung, Hwisang Jeon, Jinhyuk Lee and Jaewoo Kang

[Long] CluBERT: A Cluster-Based Approach for Learning Sense Distributions in Multiple Languages
Tommaso Pasini, Federico Scozzafava and Bianca Scarlini

08:00–09:00 Session 7A Sentiment Analysis, Stylistic Analysis, and Argument Mining-3

[Long] Adversarial and Domain-Aware BERT for Cross-Domain Sentiment Analysis
Chunning Du, Haifeng Sun, Jingyu Wang, Qi Qi and Jianxin Liao

[Short] Analyzing the Persuasive Effect of Style in News Editorial Argumentation
Roxanne El Baff, Henning Wachsmuth, Khalid Al Khatib and Benno Stein

[Long] Effective Inter-Clause Modeling for End-to-End Emotion-Cause Pair Extraction
Penghui Wei, Jiahao Zhao and Wenji Mao

[Long] Enhancing Cross-target Stance Detection with Transferable Semantic-Emotion Knowledge
Bowen Zhang, Min Yang, Xutao Li, Yunming Ye, Xiaofei Xu and Kuai Dai

[Long] From Arguments to Key Points: Towards Automatic Argument Summarization
Roy Bar-Haim, Lilach Eden, Roni Friedman, Yoav Kantor, Dan Lahav and Noam Slonim

[Long] GoEmotions: A Dataset of Fine-Grained Emotions
Dorottya Demszky, Dana Movshovitz-Attias, Jeongwoo Ko, Alan Cowen, Gaurav Nemade and Sujith Ravi

[Long] He said "who's gonna take care of your children when you are at ACL?": Reported Sexist Acts are Not Sexist
Patricia Chiril, Véronique MORICEAU, Farah Benamara, Alda Mari, Gloria Origgi and Marlène Coulomb-Gully

[Long] KinGDOM: Knowledge-Guided DOMain Adaptation for Sentiment Analysis
Deepanway Ghosal, Devamanyu Hazarika, Abhinaba Roy, Navonil Majumder, Rada Mihalcea and Soujanya Poria

[Long] Modelling Context and Syntactical Features for Aspect-based Sentiment Analysis
Minh Hieu Phan and Philip O. Ogunbona

[Short] Parallel Data Augmentation for Formality Style Transfer
Yi Zhang, Tao Ge and Xu SUN

[Long] SKEP: Sentiment Knowledge Enhanced Pre-training for Sentiment Analysis
Hao Tian, Can Gao, Xinyan Xiao, Hao Liu, Bolei He, Hua Wu, Haifeng Wang and feng wu

Tuesday, July 7, 2020 UTC+0 (continued)

[Long] SpanMlt: A Span-based Multi-Task Learning Framework for Pair-wise Aspect and Opinion Terms Extraction
He Zhao, Longtao Huang, Rong Zhang, Quan Lu and hui xue

[TACL] Target-Guided Structured Attention Network for Target-dependent Sentiment Analysis
Ji Zhang, Chengyao Chen, Pengfei Liu, Chao He, Cane Wing-Ki Leung

[Short] Towards Better Non-Tree Argument Mining: Proposition-Level Biaffine Parsing with Task-Specific Parameterization
Gaku Morio, Hiroaki Ozaki, Terufumi Morishita, Yuta Koreeda and Kohsuke Yanai

08:00–09:00 Session 7A Syntax: Tagging, Chunking and Parsing-2

[TACL] A Graph-based Model for Joint Chinese Word Segmentation and Dependency Parsing
Hang Yan, Xipeng Qiu, Xuanjing Huang

[CL] Abstract Syntax as Interlingua: Scaling Up the Grammatical Framework from Controlled Languages to Robust Pipelines
Aarne Ranta, Krasimir Angelov, Normunds Gruzitis, Prasanth Kolachina

[Short] An Empirical Comparison of Unsupervised Constituency Parsing Methods
Jun Li, Yifan Cao, Jiong Cai, Yong Jiang and Kewei Tu

[Long] Do Neural Language Models Show Preferences for Syntactic Formalisms?
Artur Kulmizev, Vinit Ravishankar, Mostafa Abdou and Joakim Nivre

[Long] Efficient Constituency Parsing by Pointing
Thanh-Tung Nguyen, Xuan-Phi Nguyen, Shafiq Joty and Xiaoli Li

[Long] Efficient Second-Order TreeCRF for Neural Dependency Parsing
Yu Zhang, Zhenghua Li and Min Zhang

[Short] Enriched In-Order Linearization for Faster Sequence-to-Sequence Constituent Parsing
Daniel Fernández-González and Carlos Gómez-Rodríguez

[Long] Exact yet Efficient Graph Parsing, Bi-directional Locality and the Constructivist Hypothesis
Yajie Ye and Weiwei Sun

Tuesday, July 7, 2020 UTC+0 (continued)

[Long] Max-Margin Incremental CCG Parsing
Miloš Stanojević and Mark Steedman

[Long] Neural Reranking for Dependency Parsing: An Evaluation
Bich-Ngoc Do and Ines Rehbein

[Short] Representations of Syntax [MASK] Useful: Effects of Constituency and Dependency Structure in Recursive LSTMs
Michael Lepori, Tal Linzen and R. Thomas McCoy

[Long] Structure-Level Knowledge Distillation For Multilingual Sequence Labeling
Xinyu Wang, Yong Jiang, Nguyen Bach, Tao Wang, Fei Huang and Kewei Tu

08:00–09:00 Session 7A Student Research Workshop

[SRW] Unsupervised Paraphasia Classification in Aphasic Speech
Sharan Pai, Nikhil Sachdeva, Prince Sachdeva and Rajiv Ratn Shah

[SRW] Reflection-based Word Attribute Transfer
Yoichi Ishibashi, Katsuhito Sudoh, Koichiro Yoshino and Satoshi Nakamura

[SRW] To compress or not to compress? A Finite-State approach to Nen verbal morphology
Saliha Muradoglu, Nicholas Evans and Hanna Suominen

[SRW] Embeddings of Label Components for Sequence Labeling: A Case Study of Fine-grained Named Entity Recognition
Takuma Kato, Kaori Abe, Hiroki Ouchi, Shumpei Miyawaki, Jun Suzuki and Kentaro Inui

08:45–09:30 Demo Session 2B

[Demo] LinggleWrite: a Coaching System for Essay Writing
Chung-Ting Tsai, Jhih-Jie Chen, Ching-Yu Yang and Jason S. Chang

09:00–10:00 Session 7B Ethics and NLP-2

[Long] Demographics Should Not Be the Reason of Toxicity: Mitigating Discrimination in Text Classifications with Instance Weighting
Guanhua Zhang, Bing Bai, Junqi Zhang, Kun Bai, Conghui Zhu and Tiejun Zhao

[Short] Give Me Convenience and Give Her Death: Who Should Decide What Uses of NLP are Appropriate, and on What Basis?
kobi leins, Jey Han Lau and Timothy Baldwin

[Short] Is Your Classifier Actually Biased? Measuring Fairness under Uncertainty with Bernstein Bounds
Kawin Ethayarajh

[Long] Towards Understanding Gender Bias in Relation Extraction
Andrew Gaut, Tony Sun, Shirlyn Tang, Yuxin Huang, Jing Qian, Mai ElSherief, Jieyu Zhao, Diba Mirza, Elizabeth Belding, Kai-Wei Chang and William Yang Wang

09:00–10:00 Session 7B Interpretability and Analysis of Models for NLP-2

[Long] An Analysis of the Utility of Explicit Negative Examples to Improve the Syntactic Abilities of Neural Language Models
Hiroshi Noji and Hiroya Takamura

[Long] Analyzing analytical methods: The case of phonology in neural models of spoken language
Grzegorz Chrupała, Bertrand Higy and Afra Alishahi

[Short] Make Up Your Mind! Adversarial Generation of Inconsistent Natural Language Explanations
Oana-Maria Camburu, Brendan Shillingford, Pasquale Minervini, Thomas Lukasiewicz and Phil Blunsom

[Long] Perturbed Masking: Parameter-free Probing for Analyzing and Interpreting BERT
Zhiyong Wu, Yun Chen, Ben Kao and Qun Liu

[Long] Probing for Referential Information in Language Models
Ionut-Teodor Sorodoc, Kristina Gulordava and Gemma Boleda

[Short] Quantifying Attention Flow in Transformers
Samira Abnar and Willem Zuidema

[Short] Towards Faithfully Interpretable NLP Systems: How Should We Define and Evaluate Faithfulness?
Alon Jacovi and Yoav Goldberg

[Long] Towards Transparent and Explainable Attention Models
Akash Kumar Mohankumar, Preksha Nema, Sharan Narasimhan, Mitesh M. Khapra, Balaji Vasan Srinivasan and Balaraman Ravindran

09:00–10:00 Session 7B Machine Learning for NLP-8

[Short] A Relational Memory-based Embedding Model for Triple Classification and Search Personalization
Dai Quoc Nguyen, Tu Nguyen and Dinh Phung

[Short] Do you have the right scissors? Tailoring Pre-trained Language Models via Monte-Carlo Methods
Ning Miao, Yuxuan Song, Hao Zhou and Lei Li

[Short] Enhancing Pre-trained Chinese Character Representation with Word-aligned Attention
Yanzeng Li, Bowen Yu, Xue Mengge and Tingwen Liu

[Long] Estimating the influence of auxiliary tasks for multi-task learning of sequence tagging tasks
Fynn Schröder and Chris Biemann

[Long] Tchebycheff Procedure for Multi-task Text Classification
Yuren Mao, Shuang Yun, Weiwei Liu and Bo Du

Tuesday, July 7, 2020 UTC+0 (continued)

09:00–10:00 Session 7B Machine Translation-10

[Long] A Graph-based Coarse-to-fine Method for Unsupervised Bilingual Lexicon Induction
Shuo Ren, Shujie Liu, Ming Zhou and Shuai Ma

[Long] A Reinforced Generation of Adversarial Examples for Neural Machine Translation
wei zou, Shujian Huang, Jun Xie, Xinyu Dai and Jiajun CHEN

[Short] A Retrieve-and-Rewrite Initialization Method for Unsupervised Machine Translation
Shuo Ren, Yu Wu, Shujie Liu, Ming Zhou and Shuai Ma

[Short] A Simple and Effective Unified Encoder for Document-Level Machine Translation
Shuming Ma, Dongdong Zhang and Ming Zhou

[Short] Does Multi-Encoder Help? A Case Study on Context-Aware Neural Machine Translation
Bei Li, Hui Liu, Ziyang Wang, Yufan Jiang, Tong Xiao, Jingbo Zhu, Tongran Liu and changliang li

[Long] Knowledge Distillation for Multilingual Unsupervised Neural Machine Translation
Haipeng Sun, Rui Wang, Kehai Chen, Masao Utiyama, Eiichiro Sumita and Tiejun Zhao

[Long] Learning to Recover from Multi-Modality Errors for Non-Autoregressive Neural Machine Translation
Qiu Ran, Yankai Lin, Peng Li and Jie Zhou

[Short] Lexically Constrained Neural Machine Translation with Levenshtein Transformer
Raymond Hendy Susanto, Shamil Chollampatt and Liling Tan

[Short] Modeling Word Formation in English–German Neural Machine Translation
Marion Weller-Di Marco and Alexander Fraser

09:00–10:00 Session 7B NLP Applications-6

[Short] Camouflaged Chinese Spam Content Detection with Semi-supervised Generative Active Learning
Zhuoren Jiang, Zhe Gao, Yu Duan, Yangyang Kang, Changlong Sun, Qiong Zhang and Xiaozhong Liu

[Long] Distinguish Confusing Law Articles for Legal Judgment Prediction
Nuo Xu, Pinghui Wang, Long Chen, Li Pan, Xiaoyan Wang and Junzhou Zhao

[Long] Empowering Active Learning to Jointly Optimize System and User Demands
Ji-Ung Lee, Christian M. Meyer and Iryna Gurevych

[Short] Encoder-Decoder Models Can Benefit from Pre-trained Masked Language Models in Grammatical Error Correction
Masahiro Kaneko, Masato Mita, Shun Kiyono, Jun Suzuki and Kentaro Inui

[Long] Graph Neural News Recommendation with Unsupervised Preference Disentanglement
Linmei Hu, Siyong Xu, Chen Li, Cheng Yang, Chuan Shi, Nan Duan, Xing Xie and Ming Zhou

[Long] HyperCore: Hyperbolic and Co-graph Representation for Automatic ICD Coding
Pengfei Cao, Yubo Chen, Kang Liu, Jun Zhao, Shengping Liu and Weifeng Chong

[Long] Hyperbolic Capsule Networks for Multi-Label Classification
Boli Chen, Xin Huang, Lin Xiao and Liping Jing

[Short] Identifying Principals and Accessories in a Complex Case based on the Comprehension of Fact Description
Yakun Hu, Zhunchen Luo and Wenhan Chao

[Long] Improving Segmentation for Technical Support Problems
Kushal Chauhan and Abhirut Gupta

[Long] Joint Modelling of Emotion and Abusive Language Detection
Santhosh Rajamanickam, Pushkar Mishra, Helen Yannakoudakis and Ekaterina Shutova

[Short] MOOCCube: A Large-scale Data Repository for NLP Applications in MOOCs
Jifan Yu, Gan Luo, Tong Xiao, Qingyang Zhong, Yuquan Wang, wenzheng feng, Junyi Luo, Chenyu Wang, Lei Hou, Juanzi Li, Zhiyuan Liu and Jie Tang

[Long] Programming in Natural Language with fuSE: Synthesizing Methods from Spoken Utterances Using Deep Natural Language Understanding
Sebastian Weigelt, Vanessa Steurer, Tobias Hey and Walter F. Tichy

[Long] Towards Interpretable Clinical Diagnosis with Bayesian Network Ensembles Stacked on Entity-Aware CNNs
Jun Chen, Xiaoya Dai, Quan Yuan, Chao Lu and Haifeng Huang

[Long] Toxicity Detection: Does Context Really Matter?
John Pavlopoulos, Jeffrey Sorensen, Lucas Dixon, Nithum Thain and Ion Androutsopoulos

09:00–10:00 Session 7B Semantics: Sentence Level-3

[Long] AMR Parsing with Latent Structural Information
Qiji Zhou, Yue Zhang, Donghong Ji and Hao Tang

[Long] TaPas: Weakly Supervised Table Parsing via Pre-training
Jonathan Herzig, Pawel Krzysztof Nowak, Thomas Müller, Francesco Piccinno and Julian Eisenschlos

09:00–10:00 Session 7B Sentiment Analysis, Stylistic Analysis, and Argument Mining-4

[Short] Embarrassingly Simple Unsupervised Aspect Extraction
Stéphan Tulkens and Andreas van Cranenburgh

[Long] Relation-Aware Collaborative Learning for Unified Aspect-Based Sentiment Analysis
Zhuang Chen and Tieyun Qian

[Long] Syntax-Aware Opinion Role Labeling with Dependency Graph Convolutional Networks
Bo Zhang, Yue Zhang, Rui Wang, Zhenghua Li and Min Zhang

[Long] Target Inference in Argument Conclusion Generation
Milad Alshomary, Shahbaz Syed, Martin Potthast and Henning Wachsmuth

[Long] Transition-based Directed Graph Construction for Emotion-Cause Pair Extraction
Chuang Fan, Chaofa Yuan, Jiachen Du, Lin Gui, Min Yang and Ruifeng Xu

09:00–10:00 Session 7B Speech and Multimodality-4

[Long] CH-SIMS: A Chinese Multimodal Sentiment Analysis Dataset with Fine-grained Annotation of Modality
Wenmeng Yu, Hua Xu, Fanyang Meng, Yilin Zhu, Yixiao Ma, Jiele Wu, Jiyun Zou and Kaicheng Yang

[Long] Curriculum Pre-training for End-to-End Speech Translation
Chengyi Wang, Yu Wu, Shujie Liu, Ming Zhou and Zhenglu Yang

[Long] Improving Disfluency Detection by Self-Training a Self-Attentive Model
Paria Jamshid Lou and Mark Johnson

[Short] Multimodal Transformer for Multimodal Machine Translation
Shaowei Yao and Xiaojun Wan

[Long] Reasoning with Multimodal Sarcastic Tweets via Modeling Cross-Modality Contrast and Semantic Association
Nan Xu, Zhixiong Zeng and Wenji Mao

[Long] Sentiment and Emotion help Sarcasm? A Multi-task Learning Framework for Multi-Modal Sarcasm, Sentiment and Emotion Analysis
Dushyant Singh Chauhan, Dhanush S R, Asif Ekbal and Pushpak Bhattacharyya

[Long] Towards Emotion-aided Multi-modal Dialogue Act Classification
Tulika Saha, Aditya Patra, Sriparna Saha and Pushpak Bhattacharyya

Tuesday, July 7, 2020 UTC+0 (continued)

09:00–10:00 Session 7B Student Research Workshop

[SRW] Building a Japanese Typo Dataset from Wikipedia's Revision History
Yu Tanaka, Yugo Murawaki, Daisuke Kawahara and Sadao Kurohashi

[SRW] How much complexity does an RNN architecture need to learn syntax-sensitive dependencies?
Gantavya Bhatt, Hritik Bansal, Rishubh Singh and Sumeet Agarwal

[SRW] Unsupervised Multilingual Sentence Embeddings for Parallel Corpus Mining
Ivana Kvapilíková, Mikel Artetxe, Gorka Labaka, Eneko Agirre and Ondřej Bojar

12:00–12:45 Demo Session 3A

[Demo] EVIDENCEMINER: Textual Evidence Discovery for Life Sciences
Xuan Wang, Yingjun Guan, Weili Liu, Aabhas Chauhan, Enyi Jiang, Qi Li, David Liem, Dibakar Sigdel, John Caufield, Peipei Ping and Jiawei Han

[Demo] ConvLab-2: An Open-Source Toolkit for Building, Evaluating, and Diagnosing Dialogue Systems
Qi Zhu, Zheng Zhang, Yan Fang, Xiang Li, Ryuichi Takanobu, Jinchao Li, Baolin Peng, Jianfeng Gao, Xiaoyan Zhu and Minlie Huang

12:00–13:00 Session 8A Computational Social Science and Social Media-6

[Long] Analyzing Political Parody in Social Media
Antonios Maronikolakis, Danae Sánchez Villegas, Daniel Preotiuc-Pietro and Nikolaos Aletras

[Long] Improving Multimodal Named Entity Recognition via Entity Span Detection with Unified Multimodal Transformer
Jianfei Yu, Jing Jiang, Li Yang and Rui Xia

[Short] Masking Actor Information Leads to Fairer Political Claims Detection
Erenay Dayanik and Sebastian Padó

[Short] Neural Temporal Opinion Modelling for Opinion Prediction on Twitter
Lixing Zhu, Yulan He and Deyu Zhou

[Long] When do Word Embeddings Accurately Reflect Surveys on our Beliefs About People?
Kenneth Joseph and Jonathan Morgan

[Long] "Who said it, and Why?" Provenance for Natural Language Claims
Yi Zhang, Zachary Ives and Dan Roth

[Long] It Takes Two to Lie: One to Lie, and One to Listen
Denis Peskov, Benny Cheng, Ahmed Elgohary, Joe Barrow, Cristian Danescu-Niculescu-Mizil and Jordan Boyd-Graber

12:00–13:00 Session 8A Interpretability and Analysis of Models for NLP-3

[Long] Analyzing analytical methods: The case of phonology in neural models of spoken language
Grzegorz Chrupała, Bertrand Higy and Afra Alishahi

[Long] Compositionality and Generalization In Emergent Languages
Rahma Chaabouni, Eugene Kharitonov, Diane Bouchacourt, Emmanuel Dupoux and Marco Baroni

[Long] ERASER: A Benchmark to Evaluate Rationalized NLP Models
Jay DeYoung, Sarthak Jain, Nazneen Fatema Rajani, Eric Lehman, Caiming Xiong, Richard Socher and Byron C. Wallace

[Long] Learning to Faithfully Rationalize by Construction
Sarthak Jain, Sarah Wiegreffe, Yuval Pinter and Byron C. Wallace

[Short] Make Up Your Mind! Adversarial Generation of Inconsistent Natural Language Explanations
Oana-Maria Camburu, Brendan Shillingford, Pasquale Minervini, Thomas Lukasiewicz and Phil Blunsom

[Long] On the Robustness of Language Encoders against Grammatical Errors
Fan Yin, Quanyu Long, Tao Meng and Kai-Wei Chang

[Long] Probing for Referential Information in Language Models
Ionut-Teodor Sorodoc, Kristina Gulordava and Gemma Boleda

[Long] Roles and Utilization of Attention Heads in Transformer-based Neural Language Models
Jae-young Jo and Sung-Hyon Myaeng

[Long] Towards Transparent and Explainable Attention Models
Akash Kumar Mohankumar, Preksha Nema, Sharan Narasimhan, Mitesh M. Khapra, Balaji Vasan Srinivasan and Balaraman Ravindran

[Long] Understanding Attention for Text Classification
Xiaobing Sun and Wei Lu

12:00–13:00 Session 8A Machine Translation-11

[Short] Dynamically Adjusting Transformer Batch Size by Monitoring Gradient Direction Change
Hongfei Xu, Josef van Genabith, Deyi Xiong and Qiuhui Liu

[Short] Geometry-aware domain adaptation for unsupervised alignment of word embeddings
Pratik Jawanpuria, Mayank Meghwanshi and Bamdev Mishra

[Short] Modeling Word Formation in English–German Neural Machine Translation
Marion Weller-Di Marco and Alexander Fraser

[Short] On Exposure Bias, Hallucination and Domain Shift in Neural Machine Translation
Chaojun Wang and Rico Sennrich

[Short] Successfully Applying the Stabilized Lottery Ticket Hypothesis to the Transformer Architecture
Christopher Brix, Parnia Bahar and Hermann Ney

12:00–13:00 Session 8A Question Answering-5

[Long] A Self-Training Method for Machine Reading Comprehension with Soft Evidence Extraction
Yilin Niu, Fangkai Jiao, Mantong Zhou, Ting Yao, jingfang xu and Minlie Huang

[TACL] Break It Down: A Question Understanding Benchmark
Tomer Wolfson, Mor Geva, Ankit Gupta, Yoav Goldberg, Matt Gardner, Daniel Deutch, Jonathan Berant

[Long] Clinical Reading Comprehension: A Thorough Analysis of the emrQA Dataset
Xiang Yue, Bernal Jimenez Gutierrez and Huan Sun

[Long] DeFormer: Decomposing Pre-trained Transformers for Faster Question Answering
Qingqing Cao, Harsh Trivedi, Aruna Balasubramanian and Niranjan Balasubramanian

Tuesday, July 7, 2020 UTC+0 (continued)

[Long] Graph-to-Tree Learning for Solving Math Word Problems
Jipeng Zhang, Lei Wang, Roy Ka-Wei Lee, Yi Bin, Yan Wang, Jie Shao and Ee-Peng Lim

[Long] Improving Multi-hop Question Answering over Knowledge Graphs using Knowledge Base Embeddings
Apoorv Saxena, Aditay Tripathi and Partha Talukdar

[Short] Template-Based Question Generation from Retrieved Sentences for Improved Unsupervised Question Answering
Alexander Fabbri, Patrick Ng, Zhiguo Wang, Ramesh Nallapati and Bing Xiang

[Long] Unsupervised Alignment-based Iterative Evidence Retrieval for Multi-hop Question Answering
Vikas Yadav, Steven Bethard and Mihai Surdeanu

12:00–13:00 Session 8A Resources and Evaluation-7

[Long] A Corpus for Large-Scale Phonetic Typology
Elizabeth Salesky, Eleanor Chodroff, Tiago Pimentel, Matthew Wiesner, Ryan Cotterell, Alan W Black and Jason Eisner

[Short] Dscorer: A Fast Evaluation Metric for Discourse Representation Structure Parsing
Jiangming Liu, Shay B. Cohen and Mirella Lapata

[Long] MATINF: A Jointly Labeled Large-Scale Dataset for Classification, Question Answering and Summarization
Canwen Xu, Jiaxin Pei, Hongtao Wu, Yiyu Liu and Chenliang Li

[Long] MIND: A Large-scale Dataset for News Recommendation
Fangzhao Wu, Ying Qiao, Jiun-Hung Chen, Chuhan Wu, Tao Qi, Jianxun Lian, Danyang Liu, Xing Xie, Jianfeng Gao, Winnie Wu and Ming Zhou

[Long] ParaCrawl: Web-Scale Acquisition of Parallel Corpora
Marta Bañón, Pinzhen Chen, Barry Haddow, Kenneth Heafield, Hieu Hoang, Miquel Esplà-Gomis, Mikel L. Forcada, Amir Kamran, Faheem Kirefu, Philipp Koehn, Sergio Ortiz Rojas, Leopoldo Pla Sempere, Gema Ramírez-Sánchez, Elsa Sarrías, Marek Strelec, Brian Thompson, William Waites, Dion Wiggins and Jaume Zaragoza

Tuesday, July 7, 2020 UTC+0 (continued)

12:00–13:00 Session 8A Semantics: Lexical-6

[Long] Adaptive Compression of Word Embeddings
Yeachan Kim, Kang-Min Kim and SangKeun Lee

[Long] Analysing Lexical Semantic Change with Contextualised Word Representations
Mario Giulianelli, Marco Del Tredici and Raquel Fernández

[Short] Autoencoding Keyword Correlation Graph for Document Clustering
Billy Chiu, Sunil Kumar Sahu, Derek Thomas, Neha Sengupta and Mohammady Mahdy

[Long] Autoencoding Pixies: Amortised Variational Inference with Graph Convolutions for Functional Distributional Semantics
Guy Emerson

[Long] BERTRAM: Improved Word Embeddings Have Big Impact on Contextualized Model Performance
Timo Schick and Hinrich Schütze

[Long] CluBERT: A Cluster-Based Approach for Learning Sense Distributions in Multiple Languages
Tommaso Pasini, Federico Scozzafava and Bianca Scarlini

[Short] Hypernymy Detection for Low-Resource Languages via Meta Learning
Changlong Yu, Jialong Han, Haisong Zhang and Wilfred Ng

[Long] Investigating Word-Class Distributions in Word Vector Spaces
Ryohei Sasano and Anna Korhonen

12:00–13:00 Session 8A Semantics: Sentence Level-4

[Long] AMR Parsing with Latent Structural Information
Qiji Zhou, Yue Zhang, Donghong Ji and Hao Tang

[Long] TaPas: Weakly Supervised Table Parsing via Pre-training
Jonathan Herzig, Pawel Krzysztof Nowak, Thomas Müller, Francesco Piccinno and Julian Eisenschlos

12:00–13:00 Session 8A Sentiment Analysis, Stylistic Analysis, and Argument Mining-5

[Long] Adversarial and Domain-Aware BERT for Cross-Domain Sentiment Analysis
Chunning Du, Haifeng Sun, Jingyu Wang, Qi Qi and Jianxin Liao

[Short] Don't Eclipse Your Arts Due to Small Discrepancies: Boundary Repositioning with a Pointer Network for Aspect Extraction
Zhenkai Wei, Yu Hong, Bowei Zou, Meng Cheng and Jianmin YAO

[Long] Relational Graph Attention Network for Aspect-based Sentiment Analysis
Kai Wang, Weizhou Shen, Yunyi Yang, Xiaojun Quan and Rui Wang

[Long] SentiBERT: A Transferable Transformer-Based Architecture for Compositional Sentiment Semantics
Da Yin, Tao Meng and Kai-Wei Chang

[Long] Target Inference in Argument Conclusion Generation
Milad Alshomary, Shahbaz Syed, Martin Potthast and Henning Wachsmuth

Tuesday, July 7, 2020 UTC+0 (continued)

12:00–13:00 Session 8A Syntax: Tagging, Chunking and Parsing-3

[Long] A Span-based Linearization for Constituent Trees
Yang Wei, Yuanbin Wu and Man Lan

[CL] Abstract Syntax as Interlingua: Scaling Up the Grammatical Framework from Controlled Languages to Robust Pipelines
Aarne Ranta, Krasimir Angelov, Normunds Gruzitis, Prasanth Kolachina

[Long] Do Neural Language Models Show Preferences for Syntactic Formalisms?
Artur Kulmizev, Vinit Ravishankar, Mostafa Abdou and Joakim Nivre

[Short] Enriched In-Order Linearization for Faster Sequence-to-Sequence Constituent Parsing
Daniel Fernández-González and Carlos Gómez-Rodríguez

[Long] Exact yet Efficient Graph Parsing, Bi-directional Locality and the Constructivist Hypothesis
Yajie Ye and Weiwei Sun

[Long] Max-Margin Incremental CCG Parsing
Miloš Stanojević and Mark Steedman

[Long] Neural Reranking for Dependency Parsing: An Evaluation
Bich-Ngoc Do and Ines Rehbein

12:00–13:00 Session 8A Student Research Workshop

[SRW] How much complexity does an RNN architecture need to learn syntax-sensitive dependencies?
Gantavya Bhatt, Hritik Bansal, Rishubh Singh and Sumeet Agarwal

[SRW] Logical Inferences with Comparatives and Generalized Quantifiers
Izumi Haruta, Koji Mineshima and Daisuke Bekki

[SRW] Unsupervised Multilingual Sentence Embeddings for Parallel Corpus Mining
Ivana Kvapilíková, Mikel Artetxe, Gorka Labaka, Eneko Agirre and Ondřej Bojar

[SRW] Enhancing Word Embeddings with Knowledge Extracted from Lexical Resources
Magdalena Biesialska, Bardia Rafieian and Marta R. Costa-jussà

12:45–13:30 Demo Session 3B

[Demo] CLIReval: Evaluating Machine Translation as a Cross-Lingual Information Retrieval Task
Shuo Sun, Suzanna Sia and Kevin Duh

[Demo] Label Noise in Context
Michael Desmond, Catherine Finegan-Dollak, Jeff Boston and Matt Arnold

13:00–14:00 Session 8B Ethics and NLP-3

[Long] Demographics Should Not Be the Reason of Toxicity: Mitigating Discrimination in Text Classifications with Instance Weighting
Guanhua Zhang, Bing Bai, Junqi Zhang, Kun Bai, Conghui Zhu and Tiejun Zhao

[Long] It's Morphin' Time! Combating Linguistic Discrimination with Inflectional Perturbations
Samson Tan, Shafiq Joty, Min-Yen Kan and Richard Socher

[Long] Toward Gender-Inclusive Coreference Resolution
Yang Trista Cao and Hal Daumé III

13:00–14:00 Session 8B Generation-10

[Short] Learning Implicit Text Generation via Feature Matching
Inkit Padhi, Pierre Dognin, Ke Bai, Cícero Nogueira dos Santos, Vijil Chenthamarakshan, Youssef Mroueh and Payel Das

[Short] Two Birds, One Stone: A Simple, Unified Model for Text Generation from Structured and Unstructured Data
Hamidreza Shahidi, Ming Li and Jimmy Lin

13:00–14:00 Session 8B Interpretability and Analysis of Models for NLP-4

[TACL] Does Syntax Need to Grow on Trees? Sources of Hierarchical Inductive Bias in Sequence-to-Sequence Networks
R. Thomas McCoy, Robert Frank, Tal Linzen

[Long] Human Attention Maps for Text Classification: Do Humans and Neural Networks Focus on the Same Words?
Cansu Sen, Thomas Hartvigsen, Biao Yin, Xiangnan Kong and Elke Rundensteiner

[Long] Information-Theoretic Probing for Linguistic Structure
Tiago Pimentel, Josef Valvoda, Rowan Hall Maudslay, Ran Zmigrod, Adina Williams and Ryan Cotterell

[TACL] Membership Inference Attacks on Sequence-to-Sequence Models: Is My Data In Your Machine Translation System?
Sorami Hisamoto, Matt Post, Kevin Duh

[Long] On the Cross-lingual Transferability of Monolingual Representations
Mikel Artetxe, Sebastian Ruder and Dani Yogatama

[Long] Perturbed Masking: Parameter-free Probing for Analyzing and Interpreting BERT
Zhiyong Wu, Yun Chen, Ben Kao and Qun Liu

[Short] Quantifying Attention Flow in Transformers
Samira Abnar and Willem Zuidema

[Long] Similarity Analysis of Contextual Word Representation Models
John Wu, Yonatan Belinkov, Hassan Sajjad, Nadir Durrani, Fahim Dalvi and James Glass

[TACL] Tabula nearly rasa: Probing the linguistic knowledge of character-level neural language models trained on unsegmented text
Michael Hahn, Marco Baroni

[Short] Towards Faithfully Interpretable NLP Systems: How Should We Define and Evaluate Faithfulness?
Alon Jacovi and Yoav Goldberg

[TACL] What BERT Is Not: Lessons from a New Suite of Psycholinguistic Diagnostics for Language Models
Allyson Ettinger

13:00–14:00 Session 8B Machine Learning for NLP-9

[Long] Attentive Pooling with Learnable Norms for Text Representation
Chuhan Wu, Fangzhao Wu, Tao Qi, Xiaohui Cui and Yongfeng Huang

[Short] Bayesian Hierarchical Words Representation Learning
Oren Barkan, Idan Rejwan, Avi Caciularu and Noam Koenigstein

[Long] On the Encoder-Decoder Incompatibility in Variational Text Modeling and Beyond
Chen Wu, Prince Zizhuang Wang and William Yang Wang

[Long] Pre-training Is (Almost) All You Need: An Application to Commonsense Reasoning
Alexandre Tamborrino, Nicola Pellicanò, Baptiste Pannier, Pascal Voitot and Louise Naudin

[Long] SEEK: Segmented Embedding of Knowledge Graphs
Wentao Xu, Shun Zheng, Liang He, Bin Shao, Jian Yin and Tie-Yan Liu

[Long] SenseBERT: Driving Some Sense into BERT
Yoav Levine, Barak Lenz, Or Dagan, Ori Ram, Dan Padnos, Or Sharir, Shai Shalev-Shwartz, Amnon Shashua and Yoav Shoham

[Short] Single Model Ensemble using Pseudo-Tags and Distinct Vectors
Ryosuke Kuwabara, Jun Suzuki and Hideki Nakayama

[Long] Tchebycheff Procedure for Multi-task Text Classification
Yuren Mao, Shuang Yun, Weiwei Liu and Bo Du

Tuesday, July 7, 2020 UTC+0 (continued)

13:00–14:00 Session 8B Machine Translation-12

[Short] A Relaxed Matching Procedure for Unsupervised BLI
Xu Zhao, Zihao Wang, Yong Zhang and Hao Wu

[CL] A Systematic Study of Inner-Attention-Based Sentence Representations in Multilingual Neural Machine Translation
Raúl Vázquez, Alessandro Raganato, Mathias Creutz, Jörg Tiedemann

[TACL] Better Document-level Machine Translation with Bayes' Rule
Lei Yu, Laurent Sartran, Wojciech Stokowiec, Wang Ling, Lingpeng Kong, Phil Blunsom, Chris Dyer

[Long] Selecting Backtranslated Data from Multiple Sources for Improved Neural Machine Translation
Xabier Soto, Dimitar Shterionov, Alberto Poncelas and Andy Way

[CL] Unsupervised Word Translation with Adversarial Autoencoder
Tasnim Mohiuddin, Shafiq Joty

13:00–14:00 Session 8B NLP Applications-7

[Long] Empowering Active Learning to Jointly Optimize System and User Demands
Ji-Ung Lee, Christian M. Meyer and Iryna Gurevych

[Short] Encoder-Decoder Models Can Benefit from Pre-trained Masked Language Models in Grammatical Error Correction
Masahiro Kaneko, Masato Mita, Shun Kiyono, Jun Suzuki and Kentaro Inui

[Long] Graph Neural News Recommendation with Unsupervised Preference Disentanglement
Linmei Hu, Siyong Xu, Chen Li, Cheng Yang, Chuan Shi, Nan Duan, Xing Xie and Ming Zhou

[Long] Hiring Now: A Skill-Aware Multi-Attention Model for Job Posting Generation
Liting Liu, Jie Liu, Wenzheng Zhang, Ziming Chi, Wenxuan Shi and Yalou Huang

[Short] Identifying Principals and Accessories in a Complex Case based on the Comprehension of Fact Description
Yakun Hu, Zhunchen Luo and Wenhan Chao

[Long] Joint Modelling of Emotion and Abusive Language Detection
Santhosh Rajamanickam, Pushkar Mishra, Helen Yannakoudakis and Ekaterina Shutova

[Long] Programming in Natural Language with fuSE: Synthesizing Methods from Spoken Utterances Using Deep Natural Language Understanding
Sebastian Weigelt, Vanessa Steurer, Tobias Hey and Walter F. Tichy

[Long] Toxicity Detection: Does Context Really Matter?
John Pavlopoulos, Jeffrey Sorensen, Lucas Dixon, Nithum Thain and Ion Androutsopoulos

13:00–14:00 Session 8B Resources and Evaluation-8

[Long] ASSET: A Dataset for Tuning and Evaluation of Sentence Simplification Models with Multiple Rewriting Transformations
Fernando Alva-Manchego, Louis Martin, Antoine Bordes, Carolina Scarton, Benoît Sagot and Lucia Specia

[Short] Automatic Machine Translation Evaluation using Source Language Inputs and Cross-lingual Language Model
Kosuke Takahashi, Katsuhito Sudoh and Satoshi Nakamura

[Short] Fatality Killed the Cat or: BabelPic, a Multimodal Dataset for Non-Concrete Concepts
Agostina Calabrese, Michele Bevilacqua and Roberto Navigli

[TACL] Paraphrase-Sense-Tagged Sentences
Anne Cocos, Chris Callison-Burch

[Long] That is a Known Lie: Detecting Previously Fact-Checked Claims
Shaden Shaar, Nikolay Babulkov, Giovanni Da San Martino and Preslav Nakov

13:00–14:00 Session 8B Sentiment Analysis, Stylistic Analysis, and Argument Mining-6

[Long] Aspect Sentiment Classification with Document-level Sentiment Preference Modeling
Xiao Chen, Changlong Sun, Jingjing Wang, Shoushan Li, Luo Si, Min Zhang and Guodong Zhou

[Long] ECPE-2D: Emotion-Cause Pair Extraction based on Joint Two-Dimensional Representation, Interaction and Prediction
Zixiang Ding, Rui Xia and Jianfei Yu

[Long] From Arguments to Key Points: Towards Automatic Argument Summarization
Roy Bar-Haim, Lilach Eden, Roni Friedman, Yoav Kantor, Dan Lahav and Noam Slonim

[Long] He said "who's gonna take care of your children when you are at ACL?": Reported Sexist Acts are Not Sexist
Patricia Chiril, Véronique MORICEAU, Farah Benamara, Alda Mari, Gloria Origgi and Marlène Coulomb-Gully

[Short] Modeling Label Semantics for Predicting Emotional Reactions
Radhika Gaonkar, Heeyoung Kwon, Mohaddeseh Bastan, Niranjan Balasubramanian and Nathanael Chambers

[Long] SKEP: Sentiment Knowledge Enhanced Pre-training for Sentiment Analysis
Hao Tian, Can Gao, Xinyan Xiao, Hao Liu, Bolei He, Hua Wu, Haifeng Wang and feng wu

13:00–14:00 Session 8B Speech and Multimodality-5

[Long] How Accents Confound: Probing for Accent Information in End-to-End Speech Recognition Systems
Archiki Prasad and Preethi Jyothi

[Short] Learning Spoken Language Representations with Neural Lattice Language Modeling
Chao-Wei Huang and Yun-Nung Chen

[Short] Meta-Transfer Learning for Code-Switched Speech Recognition
Genta Indra Winata, Samuel Cahyawijaya, Zhaojiang Lin, Zihan Liu, Peng Xu and Pascale Fung

[Short] Multimodal Transformer for Multimodal Machine Translation
Shaowei Yao and Xiaojun Wan

[Long] Sentiment and Emotion help Sarcasm? A Multi-task Learning Framework for Multi-Modal Sarcasm, Sentiment and Emotion Analysis
Dushyant Singh Chauhan, Dhanush S R, Asif Ekbal and Pushpak Bhattacharyya

[Long] SimulSpeech: End-to-End Simultaneous Speech to Text Translation
Yi Ren, Jinglin Liu, Xu Tan, Chen Zhang, Tao QIN, Zhou Zhao and Tie-Yan Liu

[Long] Towards Emotion-aided Multi-modal Dialogue Act Classification
Tulika Saha, Aditya Patra, Sriparna Saha and Pushpak Bhattacharyya

13:00–14:00 Session 8B Student Research Workshop

[SRW] Pre-training via Leveraging Assisting Languages for Neural Machine Translation
Haiyue Song, Raj Dabre, Zhuoyuan Mao, Fei Cheng, Sadao Kurohashi and Eiichiro Sumita

[SRW] Preventing Critical Scoring Errors in Short Answer Scoring with Confidence Estimation
Hiroaki Funayama, Shota Sasaki, Yuichiroh Matsubayashi, Tomoya Mizumoto, Jun Suzuki, Masato Mita and Kentaro Inui

13:30–14:15 Demo Session 3C

[Demo] exBERT: A Visual Analysis Tool to Explore Learned Representations in Transformer Models
Benjamin Hoover, Hendrik Strobelt and Sebastian Gehrmann

14:00–16:00 Plenary

14:00–14:30 *Lifetime Achievement Award Video Livestream*

14:30–14:45 *Lifetime Achievement Award Live Q&A*

14:45–15:15 *Distinguished Service Award, Test-of-Time Award Video and Q&A*

15:15–16:00 *Reviewing Meeting Q&A*

Tuesday, July 7, 2020 UTC+0 (continued)

17:00–17:45 Demo Session 4A

[Demo] Nakdan: Professional Hebrew Diacritizer
Avi Shmidman, Shaltiel Shmidman, Moshe Koppel and Yoav Goldberg

[Demo] Photon: A Robust Cross-Domain Text-to-SQL System
Jichuan Zeng, Xi Victoria Lin, Steven C.H. Hoi, Richard Socher, Caiming Xiong, Michael Lyu and Irwin King

[Demo] OpusFilter: A Configurable Parallel Corpus Filtering Toolbox
Mikko Aulamo, Sami Virpioja and Jörg Tiedemann

17:00–18:00 Session 9A Dialogue and Interactive Systems-11

[Long] CraftAssist Instruction Parsing: Semantic Parsing for a Voxel-World Assistant
Kavya Srinet, Yacine Jernite, Jonathan Gray and arthur szlam

[Long] Don't Say That! Making Inconsistent Dialogue Unlikely with Unlikelihood Training
Margaret Li, Stephen Roller, Ilia Kulikov, Sean Welleck, Y-Lan Boureau, Kyunghyun Cho and Jason Weston

17:00–18:00 Session 9A Interpretability and Analysis of Models for NLP-5

[Long] Compositionality and Generalization In Emergent Languages
Rahma Chaabouni, Eugene Kharitonov, Diane Bouchacourt, Emmanuel Dupoux and Marco Baroni

[Long] How does BERT's attention change when you fine-tune? An analysis methodology and a case study in negation scope
Yiyun Zhao and Steven Bethard

[Long] Human Attention Maps for Text Classification: Do Humans and Neural Networks Focus on the Same Words?
Cansu Sen, Thomas Hartvigsen, Biao Yin, Xiangnan Kong and Elke Rundensteiner

[Long] Influence Paths for Characterizing Subject-Verb Number Agreement in LSTM Language Models
Kaiji Lu, Piotr Mardziel, Klas Leino, Matt Fredrikson and Anupam Datta

[Long] Information-Theoretic Probing for Linguistic Structure
Tiago Pimentel, Josef Valvoda, Rowan Hall Maudslay, Ran Zmigrod, Adina Williams and Ryan Cotterell

[Long] Interpreting Pretrained Contextualized Representations via Reductions to Static Embeddings
Rishi Bommasani, Kelly Davis and Claire Cardie

[Long] Learning to Deceive with Attention-Based Explanations
Danish Pruthi, Mansi Gupta, Bhuwan Dhingra, Graham Neubig and Zachary C. Lipton

[Short] On the Spontaneous Emergence of Discrete and Compositional Signals
Nur Geffen Lan, Emmanuel Chemla and Shane Steinert-Threlkeld

[Long] Similarity Analysis of Contextual Word Representation Models
John Wu, Yonatan Belinkov, Hassan Sajjad, Nadir Durrani, Fahim Dalvi and James Glass

[Long] Spying on Your Neighbors: Fine-grained Probing of Contextual Embeddings for Information about Surrounding Words
Josef Klafka and Allyson Ettinger

17:00–18:00 Session 9A Language Grounding to Vision, Robotics and Beyond-3

[Long] Dense-Caption Matching and Frame-Selection Gating for Temporal Localization in VideoQA
Hyounghun Kim, Zineng Tang and Mohit Bansal

[Short] Shaping Visual Representations with Language for Few-Shot Classification
Jesse Mu, Percy Liang and Noah Goodman

17:00–18:00 Session 9A Machine Learning for NLP-10

[Short] A Probabilistic Generative Model for Typographical Analysis of Early Modern Printing
Kartik Goyal, Chris Dyer, Christopher Warren, Maxwell G'Sell and Taylor Berg-Kirkpatrick

[Long] Discrete Latent Variable Representations for Low-Resource Text Classification
Shuning Jin, Sam Wiseman, Karl Stratos and Karen Livescu

[Long] Learning Constraints for Structured Prediction Using Rectifier Networks
Xingyuan Pan, Maitrey Mehta and Vivek Srikumar

[Long] Pretraining with Contrastive Sentence Objectives Improves Discourse Performance of Language Models
Dan Iter, Kelvin Guu, Larry Lansing and Dan Jurafsky

[Long] SenseBERT: Driving Some Sense into BERT
Yoav Levine, Barak Lenz, Or Dagan, Ori Ram, Dan Padnos, Or Sharir, Shai Shalev-Shwartz, Amnon Shashua and Yoav Shoham

[TACL] SpanBERT: Improving Pre-training by Representing and Predicting Spans
Mandar Joshi, Danqi Chen, Yinhan Liu, Daniel S. Weld, Luke Zettlemoyer, Omer Levy

17:00–18:00 Session 9A Resources and Evaluation-9

[Long] A Recipe for Creating Multimodal Aligned Datasets for Sequential Tasks
Angela Lin, Sudha Rao, Asli Celikyilmaz, Elnaz Nouri, Chris Brockett, Debadeepta Dey and Bill Dolan

[Long] ASSET: A Dataset for Tuning and Evaluation of Sentence Simplification Models with Multiple Rewriting Transformations
Fernando Alva-Manchego, Louis Martin, Antoine Bordes, Carolina Scarton, Benoît Sagot and Lucia Specia

[Long] Adversarial NLI: A New Benchmark for Natural Language Understanding
Yixin Nie, Adina Williams, Emily Dinan, Mohit Bansal, Jason Weston and Douwe Kiela

[Long] Beyond Accuracy: Behavioral Testing of NLP Models with CheckList
Marco Tulio Ribeiro, Tongshuang Wu, Carlos Guestrin and Sameer Singh

[Long] ChartDialogs: Plotting from Natural Language Instructions
Yutong Shao and Ndapa Nakashole

[Long] Code and Named Entity Recognition in StackOverflow
Jeniya Tabassum, Mounica Maddela, Wei Xu and Alan Ritter

[Long] Dialogue-Based Relation Extraction
Dian Yu, Kai Sun, Claire Cardie and Dong Yu

[Long] Facet-Aware Evaluation for Extractive Summarization
Yuning Mao, Liyuan Liu, Qi Zhu, Xiang Ren and Jiawei Han

[Short] Fatality Killed the Cat or: BabelPic, a Multimodal Dataset for Non-Concrete Concepts
Agostina Calabrese, Michele Bevilacqua and Roberto Navigli

[CL] LINSPECTOR: Multilingual Probing Tasks for Word Representations
Gözde Gül Sahin, Clara Vania, Ilia Kuznetsov, Iryna Gurevych

[Long] More Diverse Dialogue Datasets via Diversity-Informed Data Collection
Katherine Stasaski, Grace Hui Yang and Marti A. Hearst

[Long] ParaCrawl: Web-Scale Acquisition of Parallel Corpora
Marta Bañón, Pinzhen Chen, Barry Haddow, Kenneth Heafield, Hieu Hoang, Miquel Esplà-Gomis, Mikel L. Forcada, Amir Kamran, Faheem Kirefu, Philipp Koehn, Sergio Ortiz Rojas, Leopoldo Pla Sempere, Gema Ramírez-Sánchez, Elsa Sarrías, Marek Strelec, Brian Thompson, William Waites, Dion Wiggins and Jaume Zaragoza

[Long] S2ORC: The Semantic Scholar Open Research Corpus
Kyle Lo, Lucy Lu Wang, Mark Neumann, Rodney Kinney and Daniel Weld

[Long] Tangled up in BLEU: Reevaluating the Evaluation of Automatic Machine Translation Evaluation Metrics
Nitika Mathur, Timothy Baldwin and Trevor Cohn

17:00–18:00 Session 9A Summarization-4

[Short] A Transformer-based Approach for Source Code Summarization
Wasi Ahmad, Saikat Chakraborty, Baishakhi Ray and Kai-Wei Chang

[Long] Asking and Answering Questions to Evaluate the Factual Consistency of Summaries
Alex Wang, Kyunghyun Cho and Mike Lewis

[Long] Discourse-Aware Neural Extractive Text Summarization
Jiacheng Xu, Zhe Gan, Yu Cheng and Jingjing Liu

[Long] Discrete Optimization for Unsupervised Sentence Summarization with Word-Level Extraction
Raphael Schumann, Lili Mou, Yao Lu, Olga Vechtomova and Katja Markert

[Short] Exploring Content Selection in Summarization of Novel Chapters
Faisal Ladhak, Bryan Li, Yaser Al-Onaizan and Kathleen McKeown

[Long] FEQA: A Question Answering Evaluation Framework for Faithfulness Assessment in Abstractive Summarization
Esin Durmus, He He and Mona Diab

[Short] Fact-based Content Weighting for Evaluating Abstractive Summarisation
Xinnuo Xu, Ondřej Dušek, Jingyi Li, Verena Rieser and Ioannis Konstas

[Long] Hooks in the Headline: Learning to Generate Headlines with Controlled Styles
Di Jin, Zhijing Jin, Joey Tianyi Zhou, Lisa Orii and Peter Szolovits

[Long] Knowledge Graph-Augmented Abstractive Summarization with Semantic-Driven Cloze Reward
Luyang Huang, Lingfei Wu and Lu Wang

[Long] Optimizing the Factual Correctness of a Summary: A Study of Summarizing Radiology Reports
Yuhao Zhang, Derek Merck, Emily Tsai, Christopher D. Manning and Curtis Langlotz

[Long] Storytelling with Dialogue: A Critical Role Dungeons and Dragons Dataset
Revanth Rameshkumar and Peter Bailey

[Long] The Summary Loop: Learning to Write Abstractive Summaries Without Examples
Philippe Laban, Andrew Hsi, John Canny and Marti A. Hearst

[Long] Unsupervised Opinion Summarization as Copycat-Review Generation
Arthur Bražinskas, Mirella Lapata and Ivan Titov

17:00–18:00 Session 9A Theme-1

[Long] (Re)construing Meaning in NLP
Sean Trott, Tiago Timponi Torrent, Nancy Chang and Nathan Schneider

[Long] Climbing towards NLU: On Meaning, Form, and Understanding in the Age of Data
Emily M. Bender and Alexander Koller

[Long] Examining Citations of Natural Language Processing Literature
Saif M. Mohammad

[Short] How Can We Accelerate Progress Towards Human-like Linguistic Generalization?
Tal Linzen

[Long] How Does NLP Benefit Legal System: A Summary of Legal Artificial Intelligence
Haoxi Zhong, Chaojun Xiao, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu and Maosong Sun

[Long] Intermediate-Task Transfer Learning with Pretrained Language Models: When and Why Does It Work?
Yada Pruksachatkun, Jason Phang, Haokun Liu, Phu Mon Htut, Xiaoyi Zhang, Richard Yuanzhe Pang, Clara Vania, Katharina Kann and Samuel R. Bowman

[Long] Predictive Biases in Natural Language Processing Models: A Conceptual Framework and Overview
Deven Santosh Shah, H. Andrew Schwartz and Dirk Hovy

[Short] What Does BERT with Vision Look At?
Liunian Harold Li, Mark Yatskar, Da Yin, Cho-Jui Hsieh and Kai-Wei Chang

Tuesday, July 7, 2020 UTC+0 (continued)

17:00–18:00 Session 9A Student Research Workshop

[SRW] Checkpoint Reranking: An Approach to Select Better Hypothesis for Neural Machine Translation Systems
Vinay Pandramish and Dipti Misra Sharma

[SRW] Cross-Lingual Disaster-related Multi-label Tweet Classification with Manifold Mixup
Jishnu Ray Chowdhury, Cornelia Caragea and Doina Caragea

[SRW] Inducing Grammar from Long Short-Term Memory Networks by Shapley Decomposition
Yuhui Zhang and Allen Nie

[SRW] Exploring the Role of Context to Distinguish Rhetorical and Information-Seeking Questions
Yuan Zhuang and Ellen Riloff

17:45–18:30 Demo Session 4B

[Demo] BENTO: A Visual Platform for Building Clinical NLP Pipelines Based on CodaLab
Yonghao Jin, Fei Li and Hong Yu

[Demo] Interactive Task Learning from GUI-Grounded Natural Language Instructions and Demonstrations
Toby Jia-Jun Li, Tom Mitchell and Brad Myers

[Demo] MixingBoard: a Knowledgeable Stylized Integrated Text Generation Platform
Xiang Gao, Michel Galley and Bill Dolan

18:00–19:00 Session 9B Computational Social Science and Social Media-7

[Long] Analyzing Political Parody in Social Media
Antonios Maronikolakis, Danae Sánchez Villegas, Daniel Preotiuc-Pietro and Nikolaos Aletras

[Long] Balancing Objectives in Counseling Conversations: Advancing Forwards or Looking Backwards
Justine Zhang and Cristian Danescu-Niculescu-Mizil

[Long] Detecting Perceived Emotions in Hurricane Disasters
Shrey Desai, Cornelia Caragea and Junyi Jessy Li

[Long] Hierarchical Modeling for User Personality Prediction: The Role of Message-Level Attention
Veronica Lynn, Niranjan Balasubramanian and H. Andrew Schwartz

[Long] Measuring Forecasting Skill from Text
Shi Zong, Alan Ritter and Eduard Hovy

[Long] Text and Causal Inference: A Review of Using Text to Remove Confounding from Causal Estimates
Katherine Keith, David Jensen and Brendan O'Connor

[Long] Text-Based Ideal Points
Keyon Vafa, Suresh Naidu and David Blei

[Long] Understanding the Language of Political Agreement and Disagreement in Legislative Texts
Maryam Davoodi, Eric Waltenburg and Dan Goldwasser

[Short] Would you Rather? A New Benchmark for Learning Machine Alignment with Cultural Values and Social Preferences
Yi Tay, Donovan Ong, Jie Fu, Alvin Chan, Nancy Chen, Anh Tuan Luu and Chris Pal

Tuesday, July 7, 2020 UTC+0 (continued)

18:00–19:00 Session 9B Discourse and Pragmatics-4

[Long] Discourse as a Function of Event: Profiling Discourse Structure in News Articles around the Main Event
Prafulla Kumar Choubey, Aaron Lee, Ruihong Huang and Lu Wang

[Long] Harnessing the linguistic signal to predict scalar inferences
Sebastian Schuster, Yuxing Chen and Judith Degen

[Short] Implicit Discourse Relation Classification: We Need to Talk about Evaluation
Najoung Kim, Song Feng, Chulaka Gunasekara and Luis Lastras

[Long] PeTra: A Sparsely Supervised Memory Model for People Tracking
Shubham Toshniwal, Allyson Ettinger, Kevin Gimpel and Karen Livescu

[Short] ZPR2: Joint Zero Pronoun Recovery and Resolution using Multi-Task Learning and BERT
Linfeng Song, Kun Xu, Yue Zhang, Jianshu Chen and Dong Yu

18:00–19:00 Session 9B Ethics and NLP-4

[Short] Contextualizing Hate Speech Classifiers with Post-hoc Explanation
Brendan Kennedy, Xisen Jin, Aida Mostafazadeh Davani, Morteza Dehghani and Xiang Ren

[Long] Double-Hard Debias: Tailoring Word Embeddings for Gender Bias Mitigation
Tianlu Wang, Xi Victoria Lin, Nazneen Fatema Rajani, Bryan McCann, Vicente Ordonez and Caiming Xiong

[Long] Language (Technology) is Power: A Critical Survey of "Bias" in NLP
Su Lin Blodgett, Solon Barocas, Hal Daumé III and Hanna Wallach

[Long] Social Bias Frames: Reasoning about Social and Power Implications of Language
Maarten Sap, Saadia Gabriel, Lianhui Qin, Dan Jurafsky, Noah A. Smith and Yejin Choi

[Short] Social Biases in NLP Models as Barriers for Persons with Disabilities
Ben Hutchinson, Vinodkumar Prabhakaran, Emily Denton, Kellie Webster, Yu Zhong and Stephen Denuyl

[Long] Towards Debiasing Sentence Representations
Paul Pu Liang, Irene Mengze Li, Emily Zheng, Yao Chong Lim, Ruslan Salakhutdinov and Louis-Philippe Morency

18:00–19:00 Session 9B Interpretability and Analysis of Models for NLP-6

[Short] A Re-evaluation of Knowledge Graph Completion Methods
Zhiqing Sun, Shikhar Vashishth, Soumya Sanyal, Partha Talukdar and Yiming Yang

[Long] Cross-Linguistic Syntactic Evaluation of Word Prediction Models
Aaron Mueller, Garrett Nicolai, Panayiota Petrou-Zeniou, Natalia Talmina and Tal Linzen

[TACL] Does Syntax Need to Grow on Trees? Sources of Hierarchical Inductive Bias in Sequence-to-Sequence Networks
R. Thomas McCoy, Robert Frank, Tal Linzen

[Long] Evaluating Explainable AI: Which Algorithmic Explanations Help Users Predict Model Behavior?
Peter Hase and Mohit Bansal

[Long] Explaining Black Box Predictions and Unveiling Data Artifacts through Influence Functions
Xiaochuang Han, Byron C. Wallace and Yulia Tsvetkov

[Long] Finding Universal Grammatical Relations in Multilingual BERT
Ethan A. Chi, John Hewitt and Christopher D. Manning

[Long] Generating Hierarchical Explanations on Text Classification via Feature Interaction Detection
Hanjie Chen, Guangtao Zheng and Yangfeng Ji

[Long] Obtaining Faithful Interpretations from Compositional Neural Networks
Sanjay Subramanian, Ben Bogin, Nitish Gupta, Tomer Wolfson, Sameer Singh, Jonathan Berant and Matt Gardner

[Long] On the Cross-lingual Transferability of Monolingual Representations
Mikel Artetxe, Sebastian Ruder and Dani Yogatama

[Long] Rationalizing Text Matching: Learning Sparse Alignments via Optimal Transport
Kyle Swanson, Lili Yu and Tao Lei

Tuesday, July 7, 2020 UTC+0 (continued)

18:00–19:00 Session 9B Question Answering-6

[Short] Benefits of Intermediate Annotations in Reading Comprehension
Dheeru Dua, Sameer Singh and Matt Gardner

[TACL] Break It Down: A Question Understanding Benchmark
Tomer Wolfson, Mor Geva, Ankit Gupta, Yoav Goldberg, Matt Gardner, Daniel Deutch, Jonathan Berant

[Short] Crossing Variational Autoencoders for Answer Retrieval
Wenhao Yu, Lingfei Wu, Qingkai Zeng, Shu Tao, Yu Deng and Meng Jiang

[Long] Improving Multi-hop Question Answering over Knowledge Graphs using Knowledge Base Embeddings
Apoorv Saxena, Aditay Tripathi and Partha Talukdar

[TACL] Investigating Prior Knowledge for Challenging Chinese Machine Reading Comprehension
Kai Sun, Dian Yu, Dong Yu, Claire Cardie

[Short] Logic-Guided Data Augmentation and Regularization for Consistent Question Answering
Akari Asai and Hannaneh Hajishirzi

[Short] On the Importance of Diversity in Question Generation for QA
Md Arafat Sultan, Shubham Chandel, Ramón Fernandez Astudillo and Vittorio Castelli

[Long] Probabilistic Assumptions Matter: Improved Models for Distantly-Supervised Document-Level Question Answering
Hao Cheng, Ming-Wei Chang, Kenton Lee and Kristina Toutanova

[Long] SCDE: Sentence Cloze Dataset with High Quality Distractors From Examinations
Xiang Kong, Varun Gangal and Eduard Hovy

[Long] Selective Question Answering under Domain Shift
Amita Kamath, Robin Jia and Percy Liang

[Short] Template-Based Question Generation from Retrieved Sentences for Improved Unsupervised Question Answering
Alexander Fabbri, Patrick Ng, Zhiguo Wang, Ramesh Nallapati and Bing Xiang

[Long] The Cascade Transformer: an Application for Efficient Answer Sentence Selection
Luca Soldaini and Alessandro Moschitti

[Short] Transformers to Learn Hierarchical Contexts in Multiparty Dialogue for Span-based Question Answering
Changmao Li and Jinho D. Choi

[TACL] TyDi QA: A Benchmark for Information-Seeking Question Answering in Typologically Diverse Languages
Jonathan H Clark, Jennimaria Palomaki, Vitaly Nikolaev, Eunsol Choi, Dan Garrette, Michael Collins, Tom Kwiatkowski

18:00–19:00 Session 9B Resources and Evaluation-10

[Long] A Corpus for Large-Scale Phonetic Typology
Elizabeth Salesky, Eleanor Chodroff, Tiago Pimentel, Matthew Wiesner, Ryan Cotterell, Alan W Black and Jason Eisner

[Long] An Effectiveness Metric for Ordinal Classification: Formal Properties and Experimental Results
Enrique Amigo, Julio Gonzalo, Stefano Mizzaro and Jorge Carrillo-de-Albornoz

[Long] Not All Claims are Created Equal: Choosing the Right Statistical Approach to Assess Hypotheses
Erfan Sadeqi Azer, Daniel Khashabi, Ashish Sabharwal and Dan Roth

[Long] STARC: Structured Annotations for Reading Comprehension
Yevgeni Berzak, Jonathan Malmaud and Roger Levy

[Long] WinoWhy: A Deep Diagnosis of Essential Commonsense Knowledge for Answering Winograd Schema Challenge
Hongming Zhang, Xinran Zhao and Yangqiu Song

Tuesday, July 7, 2020 UTC+0 (continued)

18:00–19:00 Session 9B Sentiment Analysis, Stylistic Analysis, and Argument Mining-7

[Long] Agreement Prediction of Arguments in Cyber Argumentation for Detecting Stance Polarity and Intensity
Joseph Sirrianni, Xiaoqing Liu and Douglas Adams

[Long] Cross-Lingual Unsupervised Sentiment Classification with Multi-View Transfer Learning
Hongliang Fei and Ping Li

[Long] Efficient Pairwise Annotation of Argument Quality
Lukas Gienapp, Benno Stein, Matthias Hagen and Martin Potthast

[Short] Entity-Aware Dependency-Based Deep Graph Attention Network for Comparative Preference Classification
Nianzu Ma, Sahisnu Mazumder, Hao Wang and Bing Liu

[Long] GoEmotions: A Dataset of Fine-Grained Emotions
Dorottya Demszky, Dana Movshovitz-Attias, Jeongwoo Ko, Alan Cowen, Gaurav Nemade and Sujith Ravi

[Short] OpinionDigest: A Simple Framework for Opinion Summarization
Yoshihiko Suhara, Xiaolan Wang, Stefanos Angelidis and Wang-Chiew Tan

[Long] A Comprehensive Analysis of Preprocessing for Word Representation Learning in Affective Tasks
Nastaran Babanejad, Ameeta Agrawal, Aijun An and Manos Papagelis

18:00–19:00 Session 9B Student Research Workshop

[SRW] Compositional Generalization by Factorizing Alignment and Translation
Jacob Russin, Jason Jo, Randall O'Reilly and Yoshua Bengio

[SRW] RPD: A Distance Function Between Word Embeddings
Xuhui Zhou, Shujian Huang and Zaixiang Zheng

[SRW] #NotAWhore! A Computational Linguistic Perspective of Rape Culture and Victimization on Social Media
Ashima Suvarna and Grusha Bhalla

[SRW] Research Replication Prediction Using Weakly Supervised Learning
Tianyi Luo, Xingyu Li, Hainan Wang and Yang Liu

[SRW] Inducing Grammar from Long Short-Term Memory Networks by Shapley Decomposition
Yuhui Zhang and Allen Nie

18:30–19:15 Demo Session 4C

[Demo] NLP Scholar: An Interactive Visual Explorer for Natural Language Processing Literature
Saif M. Mohammad

[Demo] Stimulating Creativity with FunLines: A Case Study of Humor Generation in Headlines
Nabil Hossain, John Krumm, Tanvir Sajed and Henry Kautz

[Demo] Usnea: An Authorship Tool for Interactive Fiction using Retrieval Based Semantic Parsing
Ben Swanson and Boris Smus

20:00–20:45 Demo Session 5A

[Demo] DIALOGPT : Large-Scale Generative Pre-training for Conversational Response Generation
Yizhe Zhang, Siqi Sun, Michel Galley, Yen-Chun Chen, Chris Brockett, Xiang Gao, Jianfeng Gao, Jingjing Liu and Bill Dolan

[Demo] Label Noise in Context
Michael Desmond, Catherine Finegan-Dollak, Jeff Boston and Matt Arnold

[Demo] Photon: A Robust Cross-Domain Text-to-SQL System
Jichuan Zeng, Xi Victoria Lin, Steven C.H. Hoi, Richard Socher, Caiming Xiong, Michael Lyu and Irwin King

20:00–21:00 Session 10A Computational Social Science and Social Media-8

[Long] Balancing Objectives in Counseling Conversations: Advancing Forwards or Looking Backwards
Justine Zhang and Cristian Danescu-Niculescu-Mizil

[Long] Detecting Perceived Emotions in Hurricane Disasters
Shrey Desai, Cornelia Caragea and Junyi Jessy Li

[Long] Hierarchical Modeling for User Personality Prediction: The Role of Message-Level Attention
Veronica Lynn, Niranjan Balasubramanian and H. Andrew Schwartz

[Short] Masking Actor Information Leads to Fairer Political Claims Detection
Erenay Dayanik and Sebastian Padó

[Long] Measuring Forecasting Skill from Text
Shi Zong, Alan Ritter and Eduard Hovy

[Long] Text and Causal Inference: A Review of Using Text to Remove Confounding from Causal Estimates
Katherine Keith, David Jensen and Brendan O'Connor

[Long] Text-Based Ideal Points
Keyon Vafa, Suresh Naidu and David Blei

[Long] Understanding the Language of Political Agreement and Disagreement in Legislative Texts
Maryam Davoodi, Eric Waltenburg and Dan Goldwasser

[Long] When do Word Embeddings Accurately Reflect Surveys on our Beliefs About People?
Kenneth Joseph and Jonathan Morgan

[Long] "Who said it, and Why?" Provenance for Natural Language Claims
Yi Zhang, Zachary Ives and Dan Roth

[Short] Would you Rather? A New Benchmark for Learning Machine Alignment with Cultural Values and Social Preferences
Yi Tay, Donovan Ong, Jie Fu, Alvin Chan, Nancy Chen, Anh Tuan Luu and Chris Pal

20:00–21:00 Session 10A Dialogue and Interactive Systems-12

[Long] CraftAssist Instruction Parsing: Semantic Parsing for a Voxel-World Assistant
Kavya Srinet, Yacine Jernite, Jonathan Gray and arthur szlam

[Long] Don't Say That! Making Inconsistent Dialogue Unlikely with Unlikelihood Training
Margaret Li, Stephen Roller, Ilia Kulikov, Sean Welleck, Y-Lan Boureau, Kyunghyun Cho and Jason Weston

20:00–21:00 Session 10A Interpretability and Analysis of Models for NLP-7

[Short] A Re-evaluation of Knowledge Graph Completion Methods
Zhiqing Sun, Shikhar Vashishth, Soumya Sanyal, Partha Talukdar and Yiming Yang

[Long] Cross-Linguistic Syntactic Evaluation of Word Prediction Models
Aaron Mueller, Garrett Nicolai, Panayiota Petrou-Zeniou, Natalia Talmina and Tal Linzen

[Long] ERASER: A Benchmark to Evaluate Rationalized NLP Models
Jay DeYoung, Sarthak Jain, Nazneen Fatema Rajani, Eric Lehman, Caiming Xiong, Richard Socher and Byron C. Wallace

[Long] Evaluating Explainable AI: Which Algorithmic Explanations Help Users Predict Model Behavior?
Peter Hase and Mohit Bansal

[Long] Finding Universal Grammatical Relations in Multilingual BERT
Ethan A. Chi, John Hewitt and Christopher D. Manning

[Long] How does BERT's attention change when you fine-tune? An analysis methodology and a case study in negation scope
Yiyun Zhao and Steven Bethard

[Long] Influence Paths for Characterizing Subject-Verb Number Agreement in LSTM Language Models
Kaiji Lu, Piotr Mardziel, Klas Leino, Matt Fredrikson and Anupam Datta

[Long] Interpreting Pretrained Contextualized Representations via Reductions to Static Embeddings
Rishi Bommasani, Kelly Davis and Claire Cardie

[Long] Obtaining Faithful Interpretations from Compositional Neural Networks
Sanjay Subramanian, Ben Bogin, Nitish Gupta, Tomer Wolfson, Sameer Singh, Jonathan Berant and Matt Gardner

[Long] Rationalizing Text Matching: Learning Sparse Alignments via Optimal Transport
Kyle Swanson, Lili Yu and Tao Lei

[Long] Spying on Your Neighbors: Fine-grained Probing of Contextual Embeddings for Information about Surrounding Words
Josef Klafka and Allyson Ettinger

[TACL] What BERT Is Not: Lessons from a New Suite of Psycholinguistic Diagnostics for Language Models
Allyson Ettinger

20:00–21:00 Session 10A Question Answering-7

[Short] Benefits of Intermediate Annotations in Reading Comprehension
Dheeru Dua, Sameer Singh and Matt Gardner

[Short] Crossing Variational Autoencoders for Answer Retrieval
Wenhao Yu, Lingfei Wu, Qingkai Zeng, Shu Tao, Yu Deng and Meng Jiang

[Long] DeFormer: Decomposing Pre-trained Transformers for Faster Question Answering
Qingqing Cao, Harsh Trivedi, Aruna Balasubramanian and Niranjan Balasubramanian

[TACL] Investigating Prior Knowledge for Challenging Chinese Machine Reading Comprehension
Kai Sun, Dian Yu, Dong Yu, Claire Cardie

Tuesday, July 7, 2020 UTC+0 (continued)

[Short] Logic-Guided Data Augmentation and Regularization for Consistent Question Answering
Akari Asai and Hannaneh Hajishirzi

[Long] Probabilistic Assumptions Matter: Improved Models for Distantly-Supervised Document-Level Question Answering
Hao Cheng, Ming-Wei Chang, Kenton Lee and Kristina Toutanova

[Long] Selective Question Answering under Domain Shift
Amita Kamath, Robin Jia and Percy Liang

[TACL] TyDi QA: A Benchmark for Information-Seeking Question Answering in Typologically Diverse Languages
Jonathan H Clark, Jennimaria Palomaki, Vitaly Nikolaev, Eunsol Choi, Dan Garrette, Michael Collins, Tom Kwiatkowski

[Long] Unsupervised Alignment-based Iterative Evidence Retrieval for Multi-hop Question Answering
Vikas Yadav, Steven Bethard and Mihai Surdeanu

20:00–21:00 Session 10A Resources and Evaluation-11

[Long] Beyond Accuracy: Behavioral Testing of NLP Models with CheckList
Marco Tulio Ribeiro, Tongshuang Wu, Carlos Guestrin and Sameer Singh

[Long] Code and Named Entity Recognition in StackOverflow
Jeniya Tabassum, Mounica Maddela, Wei Xu and Alan Ritter

[CL] LINSPECTOR: Multilingual Probing Tasks for Word Representations
Gözde Gül Sahin, Clara Vania, Ilia Kuznetsov, Iryna Gurevych

[TACL] Paraphrase-Sense-Tagged Sentences
Anne Cocos, Chris Callison-Burch

[Long] Tangled up in BLEU: Reevaluating the Evaluation of Automatic Machine Translation Evaluation Metrics
Nitika Mathur, Timothy Baldwin and Trevor Cohn

[Long] Towards Holistic and Automatic Evaluation of Open-Domain Dialogue Generation
Bo Pang, Erik Nijkamp, Wenjuan Han, Linqi Zhou, Yixian Liu and Kewei Tu

Tuesday, July 7, 2020 UTC+0 (continued)

20:00–21:00 Session 10A Sentiment Analysis, Stylistic Analysis, and Argument Mining-8

[Long] Agreement Prediction of Arguments in Cyber Argumentation for Detecting Stance Polarity and Intensity
Joseph Sirrianni, Xiaoqing Liu and Douglas Adams

[Long] Cross-Lingual Unsupervised Sentiment Classification with Multi-View Transfer Learning
Hongliang Fei and Ping Li

[Long] Efficient Pairwise Annotation of Argument Quality
Lukas Gienapp, Benno Stein, Matthias Hagen and Martin Potthast

[Short] Entity-Aware Dependency-Based Deep Graph Attention Network for Comparative Preference Classification
Nianzu Ma, Sahisnu Mazumder, Hao Wang and Bing Liu

[Short] Modeling Label Semantics for Predicting Emotional Reactions
Radhika Gaonkar, Heeyoung Kwon, Mohaddeseh Bastan, Niranjan Balasubramanian and Nathanael Chambers

[Short] OpinionDigest: A Simple Framework for Opinion Summarization
Yoshihiko Suhara, Xiaolan Wang, Stefanos Angelidis and Wang-Chiew Tan

[Long] A Comprehensive Analysis of Preprocessing for Word Representation Learning in Affective Tasks
Nastaran Babanejad, Ameeta Agrawal, Aijun An and Manos Papagelis

Tuesday, July 7, 2020 UTC+0 (continued)

20:00–21:00 Session 10A Theme-2

[Long] (Re)construing Meaning in NLP
Sean Trott, Tiago Timponi Torrent, Nancy Chang and Nathan Schneider

[Long] Climbing towards NLU: On Meaning, Form, and Understanding in the Age of Data
Emily M. Bender and Alexander Koller

[Long] Examining Citations of Natural Language Processing Literature
Saif M. Mohammad

[Short] How Can We Accelerate Progress Towards Human-like Linguistic Generalization?
Tal Linzen

[Long] How Does NLP Benefit Legal System: A Summary of Legal Artificial Intelligence
Haoxi Zhong, Chaojun Xiao, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu and Maosong Sun

[Long] Intermediate-Task Transfer Learning with Pretrained Language Models: When and Why Does It Work?
Yada Pruksachatkun, Jason Phang, Haokun Liu, Phu Mon Htut, Xiaoyi Zhang, Richard Yuanzhe Pang, Clara Vania, Katharina Kann and Samuel R. Bowman

[Long] Predictive Biases in Natural Language Processing Models: A Conceptual Framework and Overview
Deven Santosh Shah, H. Andrew Schwartz and Dirk Hovy

[Short] What Does BERT with Vision Look At?
Liunian Harold Li, Mark Yatskar, Da Yin, Cho-Jui Hsieh and Kai-Wei Chang

Tuesday, July 7, 2020 UTC+0 (continued)

20:45–21:30 Demo Session 5B

[Demo] Interactive Task Learning from GUI-Grounded Natural Language Instructions and Demonstrations
Toby Jia-Jun Li, Tom Mitchell and Brad Myers

[Demo] exBERT: A Visual Analysis Tool to Explore Learned Representations in Transformer Models
Benjamin Hoover, Hendrik Strobelt and Sebastian Gehrmann

21:00–22:00 Session 10B Discourse and Pragmatics-5

[Long] Discourse as a Function of Event: Profiling Discourse Structure in News Articles around the Main Event
Prafulla Kumar Choubey, Aaron Lee, Ruihong Huang and Lu Wang

[Long] Harnessing the linguistic signal to predict scalar inferences
Sebastian Schuster, Yuxing Chen and Judith Degen

[Short] Implicit Discourse Relation Classification: We Need to Talk about Evaluation
Najoung Kim, Song Feng, Chulaka Gunasekara and Luis Lastras

[Long] PeTra: A Sparsely Supervised Memory Model for People Tracking
Shubham Toshniwal, Allyson Ettinger, Kevin Gimpel and Karen Livescu

[Short] ZPR2: Joint Zero Pronoun Recovery and Resolution using Multi-Task Learning and BERT
Linfeng Song, Kun Xu, Yue Zhang, Jianshu Chen and Dong Yu

21:00–22:00 Session 10B Ethics and NLP-5

[Short] Contextualizing Hate Speech Classifiers with Post-hoc Explanation
Brendan Kennedy, Xisen Jin, Aida Mostafazadeh Davani, Morteza Dehghani and Xiang Ren

[Long] Double-Hard Debias: Tailoring Word Embeddings for Gender Bias Mitigation
Tianlu Wang, Xi Victoria Lin, Nazneen Fatema Rajani, Bryan McCann, Vicente Ordonez and Caiming Xiong

[Long] Gender Bias in Multilingual Embeddings and Cross-Lingual Transfer
Jieyu Zhao, Subhabrata Mukherjee, saghar Hosseini, Kai-Wei Chang and Ahmed Hassan Awadallah

[Long] Language (Technology) is Power: A Critical Survey of "Bias" in NLP
Su Lin Blodgett, Solon Barocas, Hal Daumé III and Hanna Wallach

[Short] Mitigating Gender Bias Amplification in Distribution by Posterior Regularization
Shengyu Jia, Tao Meng, Jieyu Zhao and Kai-Wei Chang

[Long] Social Bias Frames: Reasoning about Social and Power Implications of Language
Maarten Sap, Saadia Gabriel, Lianhui Qin, Dan Jurafsky, Noah A. Smith and Yejin Choi

[Short] Social Biases in NLP Models as Barriers for Persons with Disabilities
Ben Hutchinson, Vinodkumar Prabhakaran, Emily Denton, Kellie Webster, Yu Zhong and Stephen Denuyl

[Long] Toward Gender-Inclusive Coreference Resolution
Yang Trista Cao and Hal Daumé III

[Long] Towards Debiasing Sentence Representations
Paul Pu Liang, Irene Mengze Li, Emily Zheng, Yao Chong Lim, Ruslan Salakhutdinov and Louis-Philippe Morency

21:00–22:00 Session 10B Interpretability and Analysis of Models for NLP-8

[Long] Explaining Black Box Predictions and Unveiling Data Artifacts through Influence Functions
Xiaochuang Han, Byron C. Wallace and Yulia Tsvetkov

[Long] Generating Hierarchical Explanations on Text Classification via Feature Interaction Detection
Hanjie Chen, Guangtao Zheng and Yangfeng Ji

[Long] Learning to Deceive with Attention-Based Explanations
Danish Pruthi, Mansi Gupta, Bhuwan Dhingra, Graham Neubig and Zachary C. Lipton

[Long] Learning to Faithfully Rationalize by Construction
Sarthak Jain, Sarah Wiegreffe, Yuval Pinter and Byron C. Wallace

[Short] On the Spontaneous Emergence of Discrete and Compositional Signals
Nur Geffen Lan, Emmanuel Chemla and Shane Steinert-Threlkeld

21:00–22:00 Session 10B Language Grounding to Vision, Robotics and Beyond-4

[Long] Dense-Caption Matching and Frame-Selection Gating for Temporal Localization in VideoQA
Hyounghun Kim, Zineng Tang and Mohit Bansal

[Short] Shaping Visual Representations with Language for Few-Shot Classification
Jesse Mu, Percy Liang and Noah Goodman

Tuesday, July 7, 2020 UTC+0 (continued)

21:00–22:00 Session 10B Machine Learning for NLP-11

[Long] Discrete Latent Variable Representations for Low-Resource Text Classification
Shuning Jin, Sam Wiseman, Karl Stratos and Karen Livescu

[Long] Improving Transformer Models by Reordering their Sublayers
Ofir Press, Noah A. Smith and Omer Levy

[Long] Learning Constraints for Structured Prediction Using Rectifier Networks
Xingyuan Pan, Maitrey Mehta and Vivek Srikumar

[Long] Pretraining with Contrastive Sentence Objectives Improves Discourse Performance of Language Models
Dan Iter, Kelvin Guu, Larry Lansing and Dan Jurafsky

[Short] SAFER: A Structure-free Approach for Certified Robustness to Adversarial Word Substitutions
Mao Ye, Chengyue Gong and Qiang Liu

[TACL] SpanBERT: Improving Pre-training by Representing and Predicting Spans
Mandar Joshi, Danqi Chen, Yinhan Liu, Daniel S. Weld, Luke Zettlemoyer, Omer Levy

21:00–22:00 Session 10B Question Answering-8

[Long] Clinical Reading Comprehension: A Thorough Analysis of the emrQA Dataset
Xiang Yue, Bernal Jimenez Gutierrez and Huan Sun

[Short] On the Importance of Diversity in Question Generation for QA
Md Arafat Sultan, Shubham Chandel, Ramón Fernandez Astudillo and Vittorio Castelli

[Long] SCDE: Sentence Cloze Dataset with High Quality Distractors From Examinations
Xiang Kong, Varun Gangal and Eduard Hovy

[Long] The Cascade Transformer: an Application for Efficient Answer Sentence Selection
Luca Soldaini and Alessandro Moschitti

Tuesday, July 7, 2020 UTC+0 (continued)

[Short] Transformers to Learn Hierarchical Contexts in Multiparty Dialogue for Span-based Question Answering
Changmao Li and Jinho D. Choi

21:00–22:00 Session 10B Resources and Evaluation-12

[Long] A Recipe for Creating Multimodal Aligned Datasets for Sequential Tasks
Angela Lin, Sudha Rao, Asli Celikyilmaz, Elnaz Nouri, Chris Brockett, Debadeepta Dey and Bill Dolan

[Long] Adversarial NLI: A New Benchmark for Natural Language Understanding
Yixin Nie, Adina Williams, Emily Dinan, Mohit Bansal, Jason Weston and Douwe Kiela

[Long] Dialogue-Based Relation Extraction
Dian Yu, Kai Sun, Claire Cardie and Dong Yu

[Short] Dscorer: A Fast Evaluation Metric for Discourse Representation Structure Parsing
Jiangming Liu, Shay B. Cohen and Mirella Lapata

[Long] Facet-Aware Evaluation for Extractive Summarization
Yuning Mao, Liyuan Liu, Qi Zhu, Xiang Ren and Jiawei Han

[Long] More Diverse Dialogue Datasets via Diversity-Informed Data Collection
Katherine Stasaski, Grace Hui Yang and Marti A. Hearst

[Long] Not All Claims are Created Equal: Choosing the Right Statistical Approach to Assess Hypotheses
Erfan Sadeqi Azer, Daniel Khashabi, Ashish Sabharwal and Dan Roth

[Long] S2ORC: The Semantic Scholar Open Research Corpus
Kyle Lo, Lucy Lu Wang, Mark Neumann, Rodney Kinney and Daniel Weld

[Long] STARC: Structured Annotations for Reading Comprehension
Yevgeni Berzak, Jonathan Malmaud and Roger Levy

[Long] WinoWhy: A Deep Diagnosis of Essential Commonsense Knowledge for Answering Winograd Schema Challenge
Hongming Zhang, Xinran Zhao and Yangqiu Song

21:00–22:00 Session 10B Speech and Multimodality-6

[Short] Towards end-2-end learning for predicting behavior codes from spoken utterances in psychotherapy conversations
Karan Singla, Zhuohao Chen, David Atkins and Shrikanth Narayanan

21:00–22:00 Session 10B Summarization-5

[Short] A Transformer-based Approach for Source Code Summarization
Wasi Ahmad, Saikat Chakraborty, Baishakhi Ray and Kai-Wei Chang

[Long] Asking and Answering Questions to Evaluate the Factual Consistency of Summaries
Alex Wang, Kyunghyun Cho and Mike Lewis

[Long] Discourse-Aware Neural Extractive Text Summarization
Jiacheng Xu, Zhe Gan, Yu Cheng and Jingjing Liu

[Long] Discrete Optimization for Unsupervised Sentence Summarization with Word-Level Extraction
Raphael Schumann, Lili Mou, Yao Lu, Olga Vechtomova and Katja Markert

[Short] Exploring Content Selection in Summarization of Novel Chapters
Faisal Ladhak, Bryan Li, Yaser Al-Onaizan and Kathleen McKeown

[Long] FEQA: A Question Answering Evaluation Framework for Faithfulness Assessment in Abstractive Summarization
Esin Durmus, He He and Mona Diab

[Short] Fact-based Content Weighting for Evaluating Abstractive Summarisation
Xinnuo Xu, Ondřej Dušek, Jingyi Li, Verena Rieser and Ioannis Konstas

[Long] Hooks in the Headline: Learning to Generate Headlines with Controlled Styles
Di Jin, Zhijing Jin, Joey Tianyi Zhou, Lisa Orii and Peter Szolovits

[Long] Knowledge Graph-Augmented Abstractive Summarization with Semantic-Driven Cloze Reward
Luyang Huang, Lingfei Wu and Lu Wang

Tuesday, July 7, 2020 UTC+0 (continued)

[Long] Optimizing the Factual Correctness of a Summary: A Study of Summarizing Radiology Reports
Yuhao Zhang, Derek Merck, Emily Tsai, Christopher D. Manning and Curtis Langlotz

[Long] Storytelling with Dialogue: A Critical Role Dungeons and Dragons Dataset
Revanth Rameshkumar and Peter Bailey

[Long] The Summary Loop: Learning to Write Abstractive Summaries Without Examples
Philippe Laban, Andrew Hsi, John Canny and Marti A. Hearst

[Long] Unsupervised Opinion Summarization as Copycat-Review Generation
Arthur Bražinskas, Mirella Lapata and Ivan Titov

21:30–22:15 Demo Session 5C

[Demo] NLP Scholar: An Interactive Visual Explorer for Natural Language Processing Literature
Saif M. Mohammad

[Demo] Stimulating Creativity with FunLines: A Case Study of Humor Generation in Headlines
Nabil Hossain, John Krumm, Tanvir Sajed and Henry Kautz

[Demo] Usnea: An Authorship Tool for Interactive Fiction using Retrieval Based Semantic Parsing
Ben Swanson and Boris Smus

Wednesday, July 8, 2020 UTC+0

05:00–05:45 Demo Session 1A

[Demo] ADVISER: A Toolkit for Developing Multi-modal, Multi-domain and Socially-engaged Conversational Agents
Chia-Yu Li, Daniel Ortega, Dirk Väth, Florian Lux, Lindsey Vanderlyn, Maximilian Schmidt, Michael Neumann, Moritz Völkel, Pavel Denisov, Sabrina Jenne, Zorica Kacarevic and Ngoc Thang Vu

[Demo] Prta: A System to Support the Analysis of Propaganda Techniques in the News
Giovanni Da San Martino, Shaden Shaar, Yifan Zhang, Seunghak Yu, Alberto Barrón-Cedeño and Preslav Nakov

05:00–06:00 Session 11A Dialogue and Interactive Systems-13

[Long] Diverse and Informative Dialogue Generation with Context-Specific Commonsense Knowledge Awareness
Sixing Wu, Ying Li, Dawei Zhang, Yang Zhou and Zhonghai Wu

[Long] Generate, Delete and Rewrite: A Three-Stage Framework for Improving Persona Consistency of Dialogue Generation
Haoyu Song, Yan Wang, Wei-Nan Zhang, Xiaojiang Liu and Ting Liu

[Long] Learning to Customize Model Structures for Few-shot Dialogue Generation Tasks
YIPING SONG, Zequn Liu, Wei Bi, Rui Yan and Ming Zhang

[Short] Video-Grounded Dialogues with Pretrained Generation Language Models
Hung Le and Steven C.H. Hoi

05:00–06:00 Session 11A Information Extraction-3

[Long] A Unified MRC Framework for Named Entity Recognition
Xiaoya Li, Jingrong Feng, Yuxian Meng, Qinghong Han, Fei Wu and Jiwei Li

[Long] An Effective Transition-based Model for Discontinuous NER
Xiang Dai, Sarvnaz Karimi, Ben Hachey and Cecile Paris

[Long] IMoJIE: Iterative Memory-Based Joint Open Information Extraction
Keshav Kolluru, Samarth Aggarwal, Vipul Rathore, Mausam and Soumen Chakrabarti

[Long] Improving Event Detection via Open-domain Trigger Knowledge
Meihan Tong, Bin Xu, Shuai Wang, Yixin Cao, Lei Hou, Juanzi Li and Jun Xie

[Short] Improving Low-Resource Named Entity Recognition using Joint Sentence and Token Labeling
Canasai Kruengkrai, Thien Hai Nguyen, Sharifah Mahani Aljunied and Lidong Bing

[Long] Multi-Cell Compositional LSTM for NER Domain Adaptation
Chen Jia and Yue Zhang

[Long] Pyramid: A Layered Model for Nested Named Entity Recognition
Jue WANG, Lidan Shou, Ke Chen and Gang Chen

[Long] ReInceptionE: Relation-Aware Inception Network with Joint Local-Global Structural Information for Knowledge Graph Embedding
Zhiwen Xie, Guangyou Zhou, Jin Liu and Jimmy Xiangji Huang

[Long] Relabel the Noise: Joint Extraction of Entities and Relations via Cooperative Multiagents
Daoyuan Chen, Yaliang Li, Kai Lei and Ying Shen

[Long] Simplify the Usage of Lexicon in Chinese NER
Ruotian Ma, Minlong Peng, Qi Zhang, Zhongyu Wei and Xuanjing Huang

05:00–06:00 Session 11A Machine Translation-13

[Long] AdvAug: Robust Adversarial Augmentation for Neural Machine Translation
Yong Cheng, Lu Jiang, Wolfgang Macherey and Jacob Eisenstein

[Short] Contextual Neural Machine Translation Improves Translation of Cataphoric Pronouns
KayYen Wong, Sameen Maruf and Gholamreza Haffari

[Long] Improving Neural Machine Translation with Soft Template Prediction
Jian Yang, Shuming Ma, Dongdong Zhang, Zhoujun Li and Ming Zhou

[Short] Tagged Back-translation Revisited: Why Does It Really Work?
Benjamin Marie, Raphael Rubino and Atsushi Fujita

[Short] Worse WER, but Better BLEU? Leveraging Word Embedding as Intermediate in Multitask End-to-End Speech Translation
Shun-Po Chuang, Tzu-Wei Sung, Alexander H. Liu and Hung-yi Lee

Wednesday, July 8, 2020 UTC+0 (continued)

05:00–06:00 Session 11A NLP Applications-8

[Short] Neural-DINF: A Neural Network based Framework for Measuring Document Influence
Jie Tan, Changlin Yang, Ying Li, Siliang Tang, Chen Huang and Yueting Zhuang

[Long] Paraphrase Generation by Learning How to Edit from Samples
Amirhossein Kazemnejad, Mohammadreza Salehi and Mahdieh Soleymani Baghshah

05:00–06:00 Session 11A Semantics: Sentence Level-5

[Long] Emerging Cross-lingual Structure in Pretrained Language Models
Alexis Conneau, Shijie Wu, Haoran Li, Luke Zettlemoyer and Veselin Stoyanov

[Long] FastBERT: a Self-distilling BERT with Adaptive Inference Time
Weijie Liu, Peng Zhou, Zhiruo Wang, Zhe Zhao, Haotang Deng and QI JU

[Short] Incorporating External Knowledge through Pre-training for Natural Language to Code Generation
Frank F. Xu, Zhengbao Jiang, Pengcheng Yin, Bogdan Vasilescu and Graham Neubig

[Long] LogicalFactChecker: Leveraging Logical Operations for Fact Checking with Graph Module Network
Wanjun Zhong, Duyu Tang, Zhangyin Feng, Nan Duan, Ming Zhou, Ming Gong, Linjun Shou, Daxin Jiang, Jiahai Wang and Jian Yin

[Long] Word-level Textual Adversarial Attacking as Combinatorial Optimization
Yuan Zang, Fanchao Qi, Chenghao Yang, Zhiyuan Liu, Meng Zhang, Qun Liu and Maosong Sun

05:00–06:00 Session 11A Semantics: Textual Inference and Other Areas of Semantics-3

[Long] Benchmarking Multimodal Regex Synthesis with Complex Structures
Xi Ye, Qiaochu Chen, Isil Dillig and Greg Durrett

[Long] Curriculum Learning for Natural Language Understanding
Benfeng Xu, Licheng Zhang, Zhendong Mao, Quan Wang, Hongtao Xie and Yongdong Zhang

[Long] Do Neural Models Learn Systematicity of Monotonicity Inference in Natural Language?
Hitomi Yanaka, Koji Mineshima, Daisuke Bekki and Kentaro Inui

[Long] Evidence-Aware Inferential Text Generation with Vector Quantised Variational AutoEncoder
Daya Guo, Duyu Tang, Nan Duan, Jian Yin, Daxin Jiang and Ming Zhou

[Long] How to Ask Good Questions? Try to Leverage Paraphrases
Xin Jia, Wenjie Zhou, Xu SUN and Yunfang Wu

[Long] NeuInfer: Knowledge Inference on N-ary Facts
Saiping Guan, Xiaolong Jin, Jiafeng Guo, Yuanzhuo Wang and Xueqi Cheng

[Short] Neural Graph Matching Networks for Chinese Short Text Matching
Lu Chen, Yanbin Zhao, Boer Lyu, Lesheng Jin, Zhi Chen, Su Zhu and Kai Yu

[Long] Neural Mixed Counting Models for Dispersed Topic Discovery
Jiemin Wu, Yanghui Rao, Zusheng Zhang, Haoran Xie, Qing Li, Fu Lee Wang and Ziye Chen

[Long] Reasoning Over Semantic-Level Graph for Fact Checking
Wanjun Zhong, Jingjing Xu, Duyu Tang, Zenan Xu, Nan Duan, Ming Zhou, Jiahai Wang and Jian Yin

05:00–06:00 Session 11A Summarization-6

[Long] Automatic Generation of Citation Texts in Scholarly Papers: A Pilot Study
Xinyu Xing, Xiaosheng Fan and Xiaojun Wan

[Short] Composing Elementary Discourse Units in Abstractive Summarization
Zhenwen Li, Wenhao Wu and Sujian Li

[Long] Extractive Summarization as Text Matching
Ming Zhong, Pengfei Liu, Yiran Chen, Danqing Wang, Xipeng Qiu and Xuanjing Huang

[Long] Heterogeneous Graph Neural Networks for Extractive Document Summarization
Danqing Wang, Pengfei Liu, Yining Zheng, Xipeng Qiu and Xuanjing Huang

[Long] Jointly Learning to Align and Summarize for Neural Cross-Lingual Summarization
Yue Cao, Hui Liu and Xiaojun Wan

[Long] Leveraging Graph to Improve Abstractive Multi-Document Summarization
Wei Li, Xinyan Xiao, Jiachen Liu, Hua Wu, Haifeng Wang and Junping Du

[Long] Multi-Granularity Interaction Network for Extractive and Abstractive Multi-Document Summarization
Hanqi Jin, Tianming Wang and Xiaojun Wan

05:00–06:00 Session 11A Syntax: Tagging, Chunking and Parsing-4

[Short] Tetra-Tagging: Word-Synchronous Parsing with Linear-Time Inference
Nikita Kitaev and Dan Klein

05:00–06:00 Session 11A Theme-3

[Short] Are we Estimating or Guesstimating Translation Quality?
Shuo Sun, Francisco Guzmán and Lucia Specia

[Long] Language (Re)modelling: Towards Embodied Language Understanding
Ronen Tamari, Chen Shani, Tom Hope, Miriam R L Petruck, Omri Abend and Dafna Shahaf

[Long] The State and Fate of Linguistic Diversity and Inclusion in the NLP World
Pratik Joshi, Sebastin Santy, Amar Budhiraja, Kalika Bali and Monojit Choudhury

[Long] The Unstoppable Rise of Computational Linguistics in Deep Learning
James Henderson

[Long] To Boldly Query What No One Has Annotated Before? The Frontiers of Corpus Querying
Markus Gärtner and Kerstin Jung

05:00–06:00 Session 11A Student Research Workshop

[SRW] Story-level Text Style Transfer: A Proposal
Yusu Qian

[SRW] HGCN4MeSH: Hybrid Graph Convolution Network for MeSH Indexing
Miaomiao Yu, Yujiu Yang and Chenhui Li

[SRW] Considering Likelihood in NLP Classification Explanations with Occlusion and Language Modeling
David Harbecke and Christoph Alt

05:45–06:30 Demo Session 1B

[Demo] Clinical-Coder: Assigning Interpretable ICD-10 Codes to Chinese Clinical Notes
Pengfei Cao, Chenwei Yan, Xiangling Fu, Yubo Chen, Kang Liu, Jun Zhao, Shengping Liu and Weifeng Chong

[Demo] ESPnet-ST: All-in-One Speech Translation Toolkit
Hirofumi Inaguma, Shun Kiyono, Kevin Duh, Shigeki Karita, Nelson Yalta, Tomoki Hayashi and Shinji Watanabe

06:00–07:00 Session 11B Dialogue and Interactive Systems-14

[Long] A Contextual Hierarchical Attention Network with Adaptive Objective for Dialogue State Tracking
Yong Shan, Zekang Li, Jinchao Zhang, Fandong Meng, Yang Feng, Cheng Niu and Jie Zhou

[Long] Data Manipulation: Towards Effective Instance Learning for Neural Dialogue Generation via Learning to Augment and Reweight
Hengyi Cai, Hongshen Chen, Yonghao Song, Cheng Zhang, Xiaofang Zhao and Dawei Yin

[Long] Dynamic Fusion Network for Multi-Domain End-to-end Task-Oriented Dialog
Libo Qin, Xiao Xu, Wanxiang Che, Yue Zhang and Ting Liu

[Long] Learning Efficient Dialogue Policy from Demonstrations through Shaping
Huimin Wang, Baolin Peng and Kam-Fai Wong

[Long] SAS: Dialogue State Tracking via Slot Attention and Slot Information Sharing
Jiaying Hu, Yan Yang, Chencai Chen, liang he and Zhou Yu

[Long] Speaker Sensitive Response Evaluation Model
JinYeong Bak and Alice Oh

06:00–07:00 Session 11B Discourse and Pragmatics-6

[Long] A Top-down Neural Architecture towards Text-level Parsing of Discourse Rhetorical Structure
Longyin Zhang, Yuqing Xing, Fang Kong, Peifeng Li and Guodong Zhou

[TACL] Unsupervised Discourse Constituency Parsing Using Viterbi EM
Noriki Nishida, Hideki Nakayama

06:00–07:00 Session 11B Information Extraction-4

[Long] Amalgamation of protein sequence, structure and textual information for improving protein-protein interaction identification
pratik Dutta and Sriparna Saha

[Long] Bipartite Flat-Graph Network for Nested Named Entity Recognition
Ying Luo and Hai Zhao

[Long] Connecting Embeddings for Knowledge Graph Entity Typing
Yu Zhao, anxiang zhang, Ruobing Xie, Kang Liu and Xiaojie WANG

[Long] Continual Relation Learning via Episodic Memory Activation and Reconsolidation
Xu Han, Yi Dai, Tianyu Gao, Yankai Lin, Zhiyuan Liu, Peng Li, Maosong Sun and Jie Zhou

[Long] Handling Rare Entities for Neural Sequence Labeling
Yangming Li, Han Li, Kaisheng Yao and Xiaolong Li

[Short] Instance-Based Learning of Span Representations: A Case Study through Named Entity Recognition
Hiroki Ouchi, Jun Suzuki, Sosuke Kobayashi, Sho Yokoi, Tatsuki Kuribayashi, Ryuto Konno and Kentaro Inui

[Long] MIE: A Medical Information Extractor towards Medical Dialogues
Yuanzhe Zhang, Zhongtao Jiang, Tao Zhang, Shiwan Liu, Jiarun Cao, Kang Liu, Shengping Liu and Jun Zhao

[Short] Named Entity Recognition as Dependency Parsing
Juntao Yu, Bernd Bohnet and Massimo Poesio

[Long] Neighborhood Matching Network for Entity Alignment
Yuting Wu, Xiao Liu, Yansong Feng, Zheng Wang and Dongyan Zhao

[Short] Relation Extraction with Explanation
Hamed Shahbazi, Xiaoli Fern, Reza Ghaeini and Prasad Tadepalli

[Long] Representation Learning for Information Extraction from Form-like Documents
Bodhisattwa Prasad Majumder, Navneet Potti, Sandeep Tata, James Bradley Wendt, Qi Zhao and Marc Najork

[Long] Single-/Multi-Source Cross-Lingual NER via Teacher-Student Learning on Unlabeled Data in Target Language
Qianhui Wu, Zijia Lin, Börje Karlsson, Jian-Guang LOU and Biqing Huang

[Long] Synchronous Double-channel Recurrent Network for Aspect-Opinion Pair Extraction
Shaowei Chen, Jie Liu, Yu Wang, Wenzheng Zhang and Ziming Chi

06:00–07:00 Session 11B Language Grounding to Vision, Robotics and Beyond-5

[Long] Cross-modal Coherence Modeling for Caption Generation
Malihe Alikhani, Piyush Sharma, Shengjie Li, Radu Soricut and Matthew Stone

[Short] Knowledge Supports Visual Language Grounding: A Case Study on Colour Terms
Simeon Schüz and Sina Zarrieß

[Long] Span-based Localizing Network for Natural Language Video Localization
Hao Zhang, Aixin Sun, Wei Jing and Joey Tianyi Zhou

[Short] Words Aren't Enough, Their Order Matters: On the Robustness of Grounding Visual Referring Expressions
Arjun Akula, Spandana Gella, Yaser Al-Onaizan, Song-Chun Zhu and Siva Reddy

06:00–07:00 Session 11B Machine Learning for NLP-12

[Long] A Mixture of h - 1 Heads is Better than h Heads
Hao Peng, Roy Schwartz, Dianqi Li and Noah A. Smith

[Long] Dependency Graph Enhanced Dual-transformer Structure for Aspect-based Sentiment Classification
Hao Tang, Donghong Ji, Chenliang Li and Qiji Zhou

[Long] Differentiable Window for Dynamic Local Attention
Thanh-Tung Nguyen, Xuan-Phi Nguyen, Shafiq Joty and Xiaoli Li

[Long] Evaluating and Enhancing the Robustness of Neural Network-based Dependency Parsing Models with Adversarial Examples
Xiaoqing Zheng, Jiehang Zeng, Yi Zhou, Cho-Jui Hsieh, Minhao Cheng and Xuanjing Huang

[Long] Exploiting Syntactic Structure for Better Language Modeling: A Syntactic Distance Approach
Wenyu Du, Zhouhan Lin, Yikang Shen, Timothy J. O'Donnell, Yoshua Bengio and Yue Zhang

[Long] Learning Architectures from an Extended Search Space for Language Modeling
Yinqiao Li, Chi Hu, Yuhao Zhang, Nuo Xu, Yufan Jiang, Tong Xiao, Jingbo Zhu, Tongran Liu and changliang li

[Long] The Right Tool for the Job: Matching Model and Instance Complexities
Roy Schwartz, Gabriel Stanovsky, Swabha Swayamdipta, Jesse Dodge and Noah A. Smith

06:00–07:00 Session 11B Phonology, Morphology and Word Segmentation-3

[Long] Bootstrapping Techniques for Polysynthetic Morphological Analysis
William Lane and Steven Bird

[Long] Coupling Distant Annotation and Adversarial Training for Cross-Domain Chinese Word Segmentation
Ning Ding, Dingkun Long, Guangwei Xu, Muhua Zhu, Pengjun Xie, Xiaobin Wang and Haitao Zheng

[Long] Modeling Morphological Typology for Unsupervised Learning of Language Morphology
Hongzhi Xu, Jordan Kodner, Mitchell Marcus and Charles Yang

[Long] Predicting Declension Class from Form and Meaning
Adina Williams, Tiago Pimentel, Hagen Blix, Arya D. McCarthy, Eleanor Chodroff and Ryan Cotterell

[Long] Unsupervised Morphological Paradigm Completion
Huiming Jin, Liwei Cai, Yihui Peng, Chen Xia, Arya McCarthy and Katharina Kann

06:00–07:00 Session 11B Question Answering-9

[Long] Document Modeling with Graph Attention Networks for Multi-grained Machine Reading Comprehension
Bo Zheng, Haoyang Wen, Yaobo Liang, Nan Duan, Wanxiang Che, Daxin Jiang, Ming Zhou and Ting Liu

[Long] Harvesting and Refining Question-Answer Pairs for Unsupervised QA
Zhongli Li, Wenhui Wang, Li Dong, Furu Wei and Ke Xu

[Long] Low-Resource Generation of Multi-hop Reasoning Questions
Jianxing Yu, Wei Liu, Shuang Qiu, Qinliang Su, Kai Wang, Xiaojun Quan and Jian Yin

[Short] R4C: A Benchmark for Evaluating RC Systems to Get the Right Answer for the Right Reason
Naoya Inoue, Pontus Stenetorp and Kentaro Inui

[Long] Recurrent Chunking Mechanisms for Long-Text Machine Reading Comprehension
Hongyu Gong, Yelong Shen, Dian Yu, Jianshu Chen and Dong Yu

[Long] RikiNet: Reading Wikipedia Pages for Natural Question Answering
Dayiheng Liu, Yeyun Gong, Jie Fu, Yu Yan, Jiusheng Chen, Daxin Jiang, Jiancheng Lv and Nan Duan

06:00–07:00 Session 11B Semantics: Sentence Level-6

[TACL] AMR-To-Text Generation with Graph Transformer
Tianming Wang, Xiaojun Wan, Hanqi Jin

[Long] Parsing into Variable-in-situ Logico-Semantic Graphs
Yufei Chen and Weiwei Sun

[Long] Semantic Parsing for English as a Second Language
Yuanyuan Zhao, Weiwei Sun, junjie cao and Xiaojun Wan

[Long] Semi-Supervised Semantic Dependency Parsing Using CRF Autoencoders
Zixia Jia, Youmi Ma, Jiong Cai and Kewei Tu

[Long] Unsupervised Dual Paraphrasing for Two-stage Semantic Parsing
Ruisheng Cao, Su Zhu, Chenyu Yang, Chen Liu, Rao Ma, Yanbin Zhao, Lu Chen and Kai Yu

06:00–07:00 Session 11B Student Research Workshop

[SRW] Feature Difference Makes Sense: A medical image captioning model exploiting feature difference and tag information
Hyeryun Park, Kyungmo Kim, Jooyoung Yoon, Seongkeun Park and Jinwook Choi

[SRW] Multi-Task Neural Model for Agglutinative Language Translation
Yirong Pan, Xiao Li, Yating Yang and Rui Dong

Wednesday, July 8, 2020 UTC+0 (continued)

06:30–07:15 Demo Session 1C

[Demo] Penman: An Open-Source Library and Tool for AMR Graphs
Michael Wayne Goodman

08:00–08:45 Demo Session 2A

[Demo] Embedding-based Scientific Literature Discovery in a Text Editor Application
Onur Gökçe, Jonathan Prada, Nikola I. Nikolov, Nianlong Gu and Richard H.R. Hahnloser

08:00–09:00 Session 12A Discourse and Pragmatics-7

[Long] A Top-down Neural Architecture towards Text-level Parsing of Discourse Rhetorical Structure
Longyin Zhang, Yuqing Xing, Fang Kong, Peifeng Li and Guodong Zhou

[Long] DRTS Parsing with Structure-Aware Encoding and Decoding
Qiankun Fu, Yue Zhang, Jiangming Liu and Meishan Zhang

[TACL] Unsupervised Discourse Constituency Parsing Using Viterbi EM
Noriki Nishida, Hideki Nakayama

08:00–09:00 Session 12A Information Extraction-5

[Short] A Two-Stage Masked LM Method for Term Set Expansion
Guy Kushilevitz, Shaul Markovitch and Yoav Goldberg

[Long] Amalgamation of protein sequence, structure and textual information for improving protein-protein interaction identification
pratik Dutta and Sriparna Saha

[Short] FLAT: Chinese NER Using Flat-Lattice Transformer
Xiaonan Li, Hang Yan, Xipeng Qiu and Xuanjing Huang

[Long] IMoJIE: Iterative Memory-Based Joint Open Information Extraction
Keshav Kolluru, Samarth Aggarwal, Vipul Rathore, Mausam and Soumen Chakrabarti

[Short] Improving Entity Linking through Semantic Reinforced Entity Embeddings
Feng Hou, Ruili Wang, Jun He and Yi Zhou

[Long] Improving Event Detection via Open-domain Trigger Knowledge
Meihan Tong, Bin Xu, Shuai Wang, Yixin Cao, Lei Hou, Juanzi Li and Jun Xie

[Short] Improving Low-Resource Named Entity Recognition using Joint Sentence and Token Labeling
Canasai Kruengkrai, Thien Hai Nguyen, Sharifah Mahani Aljunied and Lidong Bing

[Long] MIE: A Medical Information Extractor towards Medical Dialogues
Yuanzhe Zhang, Zhongtao Jiang, Tao Zhang, Shiwan Liu, Jiarun Cao, Kang Liu, Shengping Liu and Jun Zhao

[Long] Multi-Cell Compositional LSTM for NER Domain Adaptation
Chen Jia and Yue Zhang

[Long] Neighborhood Matching Network for Entity Alignment
Yuting Wu, Xiao Liu, Yansong Feng, Zheng Wang and Dongyan Zhao

[Long] Pyramid: A Layered Model for Nested Named Entity Recognition
Jue WANG, Lidan Shou, Ke Chen and Gang Chen

[Long] ReInceptionE: Relation-Aware Inception Network with Joint Local-Global Structural Information for Knowledge Graph Embedding
Zhiwen Xie, Guangyou Zhou, Jin Liu and Jimmy Xiangji Huang

[Long] Relabel the Noise: Joint Extraction of Entities and Relations via Cooperative Multiagents
Daoyuan Chen, Yaliang Li, Kai Lei and Ying Shen

[Long] Simplify the Usage of Lexicon in Chinese NER
Ruotian Ma, Minlong Peng, Qi Zhang, Zhongyu Wei and Xuanjing Huang

08:00–09:00 Session 12A Information Retrieval and Text Mining-6

[Long] Document Translation vs. Query Translation for Cross-Lingual Information Retrieval in the Medical Domain
Shadi Saleh and Pavel Pecina

[Short] Learning Robust Models for e-Commerce Product Search
Thanh Nguyen, Nikhil Rao and Karthik Subbian

08:00–09:00 Session 12A Machine Learning for NLP-13

[Long] Dependency Graph Enhanced Dual-transformer Structure for Aspect-based Sentiment Classification
Hao Tang, Donghong Ji, Chenliang Li and Qiji Zhou

[Long] Differentiable Window for Dynamic Local Attention
Thanh-Tung Nguyen, Xuan-Phi Nguyen, Shafiq Joty and Xiaoli Li

[Long] Generalized Entropy Regularization or: There's Nothing Special about Label Smoothing
Clara Meister, Elizabeth Salesky and Ryan Cotterell

[Long] Highway Transformer: Self-Gating Enhanced Self-Attentive Networks
Yekun Chai, Shuo Jin and Xinwen Hou

[Long] Low-Dimensional Hyperbolic Knowledge Graph Embeddings
Ines Chami, Adva Wolf, Da-Cheng Juan, Frederic Sala, Sujith Ravi and Christopher Ré

08:00–09:00 Session 12A Machine Translation-14

[Long] AdvAug: Robust Adversarial Augmentation for Neural Machine Translation
Yong Cheng, Lu Jiang, Wolfgang Macherey and Jacob Eisenstein

[Short] Classification-Based Self-Learning for Weakly Supervised Bilingual Lexicon Induction
Mladen Karan, Ivan Vulić, Anna Korhonen and Goran Glavaš

[Short] Contextual Neural Machine Translation Improves Translation of Cataphoric Pronouns
KayYen Wong, Sameen Maruf and Gholamreza Haffari

[Long] Gender in Danger? Evaluating Speech Translation Technology on the MuST-SHE Corpus
Luisa Bentivogli, Beatrice Savoldi, Matteo Negri, Mattia A. Di Gangi, Roldano Cattoni and Marco Turchi

[Long] Improving Neural Machine Translation with Soft Template Prediction
Jian Yang, Shuming Ma, Dongdong Zhang, Zhoujun Li and Ming Zhou

[Long] Uncertainty-Aware Curriculum Learning for Neural Machine Translation
Yikai Zhou, Baosong Yang, Derek F. Wong, Yu Wan and Lidia S. Chao

[Short] Worse WER, but Better BLEU? Leveraging Word Embedding as Intermediate in Multitask End-to-End Speech Translation
Shun-Po Chuang, Tzu-Wei Sung, Alexander H. Liu and Hung-yi Lee

08:00–09:00 Session 12A NLP Applications-9

[Short] Closing the Gap: Joint De-Identification and Concept Extraction in the Clinical Domain
Lukas Lange, Heike Adel and Jannik Strötgen

[Long] CorefQA: Coreference Resolution as Query-based Span Prediction
Wei Wu, Fei Wang, Arianna Yuan, Fei Wu and Jiwei Li

[Long] Estimating predictive uncertainty for rumour verification models
Elena Kochkina and Maria Liakata

[Long] From Zero to Hero: Human-In-The-Loop Entity Linking in Low Resource Domains
Jan-Christoph Klie, Richard Eckart de Castilho and Iryna Gurevych

[Long] Language to Network: Conditional Parameter Adaptation with Natural Language Descriptions
Tian Jin, Zhun Liu, Shengjia Yan, Alexandre Eichenberger and Louis-Philippe Morency

[Short] Neural-DINF: A Neural Network based Framework for Measuring Document Influence
Jie Tan, Changlin Yang, Ying Li, Siliang Tang, Chen Huang and Yueting Zhuang

08:00–09:00 Session 12A Semantics: Sentence Level-7

[TACL] AMR-To-Text Generation with Graph Transformer
Tianming Wang, Xiaojun Wan, Hanqi Jin

[Short] Controlled Crowdsourcing for High-Quality QA-SRL Annotation
Paul Roit, Ayal Klein, Daniela Stepanov, Jonathan Mamou, Julian Michael, Gabriel Stanovsky, Luke Zettlemoyer and Ido Dagan

[Long] Cross-Lingual Semantic Role Labeling with High-Quality Translated Training Corpus
Hao Fei, Meishan Zhang and Donghong Ji

[Long] Semantic Parsing for English as a Second Language
Yuanyuan Zhao, Weiwei Sun, junjie cao and Xiaojun Wan

[Short] Sentence Meta-Embeddings for Unsupervised Semantic Textual Similarity
Nina Poerner, Ulli Waltinger and Hinrich Schütze

[Long] Transition-based Semantic Dependency Parsing with Pointer Networks
Daniel Fernández-González and Carlos Gómez-Rodríguez

[Long] Unsupervised Dual Paraphrasing for Two-stage Semantic Parsing
Ruisheng Cao, Su Zhu, Chenyu Yang, Chen Liu, Rao Ma, Yanbin Zhao, Lu Chen and Kai Yu

[Long] Word-level Textual Adversarial Attacking as Combinatorial Optimization
Yuan Zang, Fanchao Qi, Chenghao Yang, Zhiyuan Liu, Meng Zhang, Qun Liu and Maosong Sun

[Short] tBERT: Topic Models and BERT Joining Forces for Semantic Similarity Detection
Nicole Peinelt, Dong Nguyen and Maria Liakata

08:00–09:00 Session 12A Sentiment Analysis, Stylistic Analysis, and Argument Mining-10

[Long] Conditional Augmentation for Aspect Term Extraction via Masked Sequence-to-Sequence Generation
Kun Li, Chengbo Chen, Xiaojun Quan, Qing Ling and Yan Song

[Short] Exploiting Personal Characteristics of Debaters for Predicting Persuasiveness
Khalid Al Khatib, Michael Völske, Shahbaz Syed, Nikolay Kolyada and Benno Stein

[Long] Out of the Echo Chamber: Detecting Countering Debate Speeches
Matan Orbach, Yonatan Bilu, Assaf Toledo, Dan Lahav, Michal Jacovi, Ranit Aharonov and Noam Slonim

08:00–09:00 Session 12A Summarization-7

[Long] Automatic Generation of Citation Texts in Scholarly Papers: A Pilot Study
Xinyu Xing, Xiaosheng Fan and Xiaojun Wan

[Short] Composing Elementary Discourse Units in Abstractive Summarization
Zhenwen Li, Wenhao Wu and Sujian Li

[Long] Extractive Summarization as Text Matching
Ming Zhong, Pengfei Liu, Yiran Chen, Danqing Wang, Xipeng Qiu and Xuanjing Huang

[Long] Heterogeneous Graph Neural Networks for Extractive Document Summarization
Danqing Wang, Pengfei Liu, Yining Zheng, Xipeng Qiu and Xuanjing Huang

[Long] Jointly Learning to Align and Summarize for Neural Cross-Lingual Summarization
Yue Cao, Hui Liu and Xiaojun Wan

[Long] Leveraging Graph to Improve Abstractive Multi-Document Summarization
Wei Li, Xinyan Xiao, Jiachen Liu, Hua Wu, Haifeng Wang and Junping Du

[Long] Multi-Granularity Interaction Network for Extractive and Abstractive Multi-Document Summarization
Hanqi Jin, Tianming Wang and Xiaojun Wan

08:00–09:00 Session 12A Student Research Workshop

[SRW] Zero-shot North Korean to English Neural Machine Translation by Character Tokenization and Phoneme Decomposition
Hwichan Kim, Tosho Hirasawa and Mamoru Komachi

[SRW] Research on Task Discovery for Transfer Learning in Deep Neural Networks
Arda Akdemir

[SRW] uBLEU: Uncertainty-Aware Automatic Evaluation Method for Open-Domain Dialogue Systems
Tsuta Yuma, Naoki Yoshinaga and Masashi Toyoda

08:45–09:30 Demo Session 2B

[Demo] MMPE: A Multi-Modal Interface using Handwriting, Touch Reordering, and Speech Commands for Post-Editing Machine Translation
Nico Herbig, Santanu Pal, Tim Düwel, Kalliopi Meladaki, Mahsa Monshizadeh, Vladislav Hnatovskiy, Antonio Krüger and Josef van Genabith

09:00–10:00 Session 12B Dialogue and Interactive Systems-15

[Long] Data Manipulation: Towards Effective Instance Learning for Neural Dialogue Generation via Learning to Augment and Reweight
Hengyi Cai, Hongshen Chen, Yonghao Song, Cheng Zhang, Xiaofang Zhao and Dawei Yin

[Long] Diverse and Informative Dialogue Generation with Context-Specific Commonsense Knowledge Awareness
Sixing Wu, Ying Li, Dawei Zhang, Yang Zhou and Zhonghai Wu

[Long] Diversifying Dialogue Generation with Non-Conversational Text
Hui Su, Xiaoyu Shen, Sanqiang Zhao, Zhou Xiao, Pengwei Hu, randy zhong, Cheng Niu and Jie Zhou

[Long] Generate, Delete and Rewrite: A Three-Stage Framework for Improving Persona Consistency of Dialogue Generation
Haoyu Song, Yan Wang, Wei-Nan Zhang, Xiaojiang Liu and Ting Liu

[Long] KdConv: A Chinese Multi-domain Dialogue Dataset Towards Multi-turn Knowledge-driven Conversation
Hao Zhou, Chujie Zheng, Kaili Huang, Minlie Huang and Xiaoyan Zhu

[Long] Learning Efficient Dialogue Policy from Demonstrations through Shaping
Huimin Wang, Baolin Peng and Kam-Fai Wong

[Long] Meta-Reinforced Multi-Domain State Generator for Dialogue Systems
Yi Huang, Junlan Feng, Min Hu, Xiaoting Wu, Xiaoyu Du and Shuo Ma

[Short] Modeling Long Context for Task-Oriented Dialogue State Generation
Jun Quan and Deyi Xiong

[Long] Multi-Domain Dialogue Acts and Response Co-Generation
Kai Wang, Junfeng Tian, Rui Wang, Xiaojun Quan and Jianxing Yu

[Long] SAS: Dialogue State Tracking via Slot Attention and Slot Information Sharing
Jiaying Hu, Yan Yang, Chencai Chen, liang he and Zhou Yu

[Short] Video-Grounded Dialogues with Pretrained Generation Language Models
Hung Le and Steven C.H. Hoi

09:00–10:00 Session 12B Generation-11

[Long] Exploring Contextual Word-level Style Relevance for Unsupervised Style Transfer
Chulun Zhou, Liangyu Chen, Jiachen Liu, Xinyan Xiao, Jinsong Su, Sheng Guo and Hua Wu

[Long] Heterogeneous Graph Transformer for Graph-to-Sequence Learning
Shaowei Yao, Tianming Wang and Xiaojun Wan

[Long] Neural Data-to-Text Generation via Jointly Learning the Segmentation and Correspondence
Xiaoyu Shen, Ernie Chang, Hui Su, Cheng Niu and Dietrich Klakow

09:00–10:00 Session 12B Information Extraction-6

[Long] An Effective Transition-based Model for Discontinuous NER
Xiang Dai, Sarvnaz Karimi, Ben Hachey and Cecile Paris

[Long] Connecting Embeddings for Knowledge Graph Entity Typing
Yu Zhao, anxiang zhang, Ruobing Xie, Kang Liu and Xiaojie WANG

[Long] Handling Rare Entities for Neural Sequence Labeling
Yangming Li, Han Li, Kaisheng Yao and Xiaolong Li

[Short] Instance-Based Learning of Span Representations: A Case Study through Named Entity Recognition
Hiroki Ouchi, Jun Suzuki, Sosuke Kobayashi, Sho Yokoi, Tatsuki Kuribayashi, Ryuto Konno and Kentaro Inui

[Short] Named Entity Recognition as Dependency Parsing
Juntao Yu, Bernd Bohnet and Massimo Poesio

09:00–10:00 Session 12B Language Grounding to Vision, Robotics and Beyond-6

[Long] Aligned Dual Channel Graph Convolutional Network for Visual Question Answering
Qingbao Huang, Jielong Wei, Yi Cai, Changmeng Zheng, Junying Chen, Ho-fung Leung and Qing Li

[Long] Cross-modal Coherence Modeling for Caption Generation
Malihe Alikhani, Piyush Sharma, Shengjie Li, Radu Soricut and Matthew Stone

[Long] Multimodal Neural Graph Memory Networks for Visual Question Answering
Mahmoud Khademi

[Long] Refer360°: A Referring Expression Recognition Dataset in 360° Images
Volkan Cirik, Taylor Berg-Kirkpatrick and Louis-Philippe Morency

[Long] Span-based Localizing Network for Natural Language Video Localization
Hao Zhang, Aixin Sun, Wei Jing and Joey Tianyi Zhou

Wednesday, July 8, 2020 UTC+0 (continued)

09:00–10:00 Session 12B Machine Learning for NLP-14

[Long] CamemBERT: a Tasty French Language Model
Louis Martin, Benjamin Muller, Pedro Javier Ortiz Suárez, Yoann Dupont, Laurent Romary, Éric de la Clergerie, Djamé Seddah and Benoît Sagot

[Long] Effective Estimation of Deep Generative Language Models
Tom Pelsmaeker and Wilker Aziz

[Long] Evaluating and Enhancing the Robustness of Neural Network-based Dependency Parsing Models with Adversarial Examples
Xiaoqing Zheng, Jiehang Zeng, Yi Zhou, Cho-Jui Hsieh, Minhao Cheng and Xuanjing Huang

[Long] Learning Architectures from an Extended Search Space for Language Modeling
Yinqiao Li, Chi Hu, Yuhao Zhang, Nuo Xu, Yufan Jiang, Tong Xiao, Jingbo Zhu, Tongran Liu and changliang li

[Long] Null It Out: Guarding Protected Attributes by Iterative Nullspace Projection
Shauli Ravfogel, Yanai Elazar, Hila Gonen, Michael Twiton and Yoav Goldberg

09:00–10:00 Session 12B Phonology, Morphology and Word Segmentation-4

[Long] 2kenize: Tying Subword Sequences for Chinese Script Conversion
Pranav A and Isabelle Augenstein

[Long] Bootstrapping Techniques for Polysynthetic Morphological Analysis
William Lane and Steven Bird

[Long] Coupling Distant Annotation and Adversarial Training for Cross-Domain Chinese Word Segmentation
Ning Ding, Dingkun Long, Guangwei Xu, Muhua Zhu, Pengjun Xie, Xiaobin Wang and Haitao Zheng

[Long] Modeling Morphological Typology for Unsupervised Learning of Language Morphology
Hongzhi Xu, Jordan Kodner, Mitchell Marcus and Charles Yang

[Long] Predicting Declension Class from Form and Meaning
Adina Williams, Tiago Pimentel, Hagen Blix, Arya D. McCarthy, Eleanor Chodroff and Ryan Cotterell

[Long] Predicting the Growth of Morphological Families from Social and Linguistic Factors
Valentin Hofmann, Janet Pierrehumbert and Hinrich Schütze

[Long] Semi-supervised Contextual Historical Text Normalization
Peter Makarov and Simon Clematide

09:00–10:00 Session 12B Question Answering-10

[Short] ClarQ: A large-scale and diverse dataset for Clarification Question Generation
Vaibhav Kumar and Alan W Black

[Long] DoQA - Accessing Domain-Specific FAQs via Conversational QA
Jon Ander Campos, Arantxa Otegi, Aitor Soroa, Jan Deriu, Mark Cieliebak and Eneko Agirre

[Long] Harvesting and Refining Question-Answer Pairs for Unsupervised QA
Zhongli Li, Wenhui Wang, Li Dong, Furu Wei and Ke Xu

[Long] MLQA: Evaluating Cross-lingual Extractive Question Answering
Patrick Lewis, Barlas Oguz, Ruty Rinott, Sebastian Riedel and Holger Schwenk

[Long] Multi-source Meta Transfer for Low Resource Multiple-Choice Question Answering
Ming Yan, Hao Zhang, Di Jin and Joey Tianyi Zhou

[Long] RikiNet: Reading Wikipedia Pages for Natural Question Answering
Dayiheng Liu, Yeyun Gong, Jie Fu, Yu Yan, Jiusheng Chen, Daxin Jiang, Jiancheng Lv and Nan Duan

Wednesday, July 8, 2020 UTC+0 (continued)

09:00–10:00 Session 12B Semantics: Textual Inference and Other Areas of Semantics-4

[Long] Do Neural Models Learn Systematicity of Monotonicity Inference in Natural Language?
Hitomi Yanaka, Koji Mineshima, Daisuke Bekki and Kentaro Inui

[Long] Fine-grained Fact Verification with Kernel Graph Attention Network
Zhenghao Liu, Chenyan Xiong, Maosong Sun and Zhiyuan Liu

[Long] Generating Fact Checking Explanations
Pepa Atanasova, Jakob Grue Simonsen, Christina Lioma and Isabelle Augenstein

[Long] How to Ask Good Questions? Try to Leverage Paraphrases
Xin Jia, Wenjie Zhou, Xu SUN and Yunfang Wu

[Long] Premise Selection in Natural Language Mathematical Texts
Deborah Ferreira and André Freitas

09:00–10:00 Session 12B Theme-4

[Long] A Call for More Rigor in Unsupervised Cross-lingual Learning
Mikel Artetxe, Sebastian Ruder, Dani Yogatama, Gorka Labaka and Eneko Agirre

[Short] A Tale of a Probe and a Parser
Rowan Hall Maudslay, Josef Valvoda, Tiago Pimentel, Adina Williams and Ryan Cotterell

[Long] From SPMRL to NMRL: What Did We Learn (and Unlearn) in a Decade of Parsing Morphologically-Rich Languages (MRLs)?
Reut Tsarfaty, Dan Bareket, Stav Klein and Amit Seker

[Long] Speech Translation and the End-to-End Promise: Taking Stock of Where We Are
Matthias Sperber and Matthias Paulik

[Long] The State and Fate of Linguistic Diversity and Inclusion in the NLP World
Pratik Joshi, Sebastin Santy, Amar Budhiraja, Kalika Bali and Monojit Choudhury

[Long] What Question Answering can Learn from Trivia Nerds
Jordan Boyd-Graber and Benjamin Börschinger

[Long] What are the Goals of Distributional Semantics?
Guy Emerson

09:00–10:00 Session 12B Student Research Workshop

[SRW] Self-Attention is Not Only a Weight: Analyzing BERT with Vector Norms
Goro Kobayashi, Tatsuki Kuribayashi, Sho Yokoi and Kentaro Inui

[SRW] Transferring Monolingual Model to Low-Resource Language: The Case of Tigrinya
Abrhalei Frezghi Tela, Abraham Woubie Zewoudie and Ville Hautamäki

[SRW] Adaptive Transformers for Learning Multimodal Representations
Prajjwal Bhargava

09:30–10:15 Demo Session 2C

[Demo] ADVISER: A Toolkit for Developing Multi-modal, Multi-domain and Socially-engaged Conversational Agents
Chia-Yu Li, Daniel Ortega, Dirk Väth, Florian Lux, Lindsey Vanderlyn, Maximilian Schmidt, Michael Neumann, Moritz Völkel, Pavel Denisov, Sabrina Jenne, Zorica Kacarevic and Ngoc Thang Vu

12:00–12:45 Demo Session 3A

[Demo] Torch-Struct: Deep Structured Prediction Library
Alexander Rush

[Demo] Conversation Learner - A Machine Teaching Tool for Building Dialog Managers for Task-Oriented Dialog Systems
Swadheen Shukla, Lars Liden, Shahin Shayandeh, Eslam Kamal, Jinchao Li, Matt Mazzola, Thomas Park, Baolin Peng and Jianfeng Gao

[Demo] ESPnet-ST: All-in-One Speech Translation Toolkit
Hirofumi Inaguma, Shun Kiyono, Kevin Duh, Shigeki Karita, Nelson Yalta, Tomoki Hayashi and Shinji Watanabe

12:00–13:00 Session 13A Generation-12

[Long] Exploring Contextual Word-level Style Relevance for Unsupervised Style Transfer
Chulun Zhou, Liangyu Chen, Jiachen Liu, Xinyan Xiao, Jinsong Su, Sheng Guo and Hua Wu

[Long] Heterogeneous Graph Transformer for Graph-to-Sequence Learning
Shaowei Yao, Tianming Wang and Xiaojun Wan

[Long] Improving Image Captioning with Better Use of Caption
Zhan Shi, Xu Zhou, Xipeng Qiu and Xiaodan Zhu

[Long] Neural Data-to-Text Generation via Jointly Learning the Segmentation and Correspondence
Xiaoyu Shen, Ernie Chang, Hui Su, Cheng Niu and Dietrich Klakow

[Short] Shape of Synth to Come: Why We Should Use Synthetic Data for English Surface Realization
Henry Elder, Robert Burke, Alexander O'Connor and Jennifer Foster

[TACL] Syntax-guided Controlled Generation of Paraphrases
Ashutosh Kumar, Kabir Ahuja, Raghuram Vadapalli, Partha Talukdar

[Short] Toward Better Storylines with Sentence-Level Language Models
Daphne Ippolito, David Grangier, Douglas Eck and Chris Callison-Burch

12:00–13:00 Session 13A Information Extraction-7

[Short] A Two-Step Approach for Implicit Event Argument Detection
Zhisong Zhang, Xiang Kong, Zhengzhong Liu, Xuezhe Ma and Eduard Hovy

[Long] A Unified MRC Framework for Named Entity Recognition
Xiaoya Li, Jingrong Feng, Yuxian Meng, Qinghong Han, Fei Wu and Jiwei Li

[Long] Continual Relation Learning via Episodic Memory Activation and Reconsolidation
Xu Han, Yi Dai, Tianyu Gao, Yankai Lin, Zhiyuan Liu, Peng Li, Maosong Sun and Jie Zhou

[TACL] Improving Candidate Generation for Low-resource Cross-lingual Entity Linking
Shuyan Zhou, Shruti Rijhwani, John Wieting, Jaime Carbonell, Graham Neubig

[Short] Improving Entity Linking through Semantic Reinforced Entity Embeddings
Feng Hou, Ruili Wang, Jun He and Yi Zhou

[Long] Machine Reading of Historical Events
Or Honovich, Lucas Torroba Hennigen, Omri Abend and Shay B. Cohen

[Short] Relation Extraction with Explanation
Hamed Shahbazi, Xiaoli Fern, Reza Ghaeini and Prasad Tadepalli

[Short] Revisiting Unsupervised Relation Extraction
Thy Thy Tran, Phong Le and Sophia Ananiadou

[Long] SciREX: A Challenge Dataset for Document-Level Information Extraction
Sarthak Jain, Madeleine van Zuylen, Hannaneh Hajishirzi and Iz Beltagy

[Long] Single-/Multi-Source Cross-Lingual NER via Teacher-Student Learning on Unlabeled Data in Target Language
Qianhui Wu, Zijia Lin, Börje Karlsson, Jian-Guang LOU and Biqing Huang

[Long] Synchronous Double-channel Recurrent Network for Aspect-Opinion Pair Extraction
Shaowei Chen, Jie Liu, Yu Wang, Wenzheng Zhang and Ziming Chi

12:00–13:00 Session 13A Machine Learning for NLP-15

[Short] Contrastive Self-Supervised Learning for Commonsense Reasoning
Tassilo Klein and Moin Nabi

[Short] Do Transformers Need Deep Long-Range Memory?
Jack Rae and Ali Razavi

[Long] Effective Estimation of Deep Generative Language Models
Tom Pelsmaeker and Wilker Aziz

[Long] Exploiting Syntactic Structure for Better Language Modeling: A Syntactic Distance Approach
Wenyu Du, Zhouhan Lin, Yikang Shen, Timothy J. O'Donnell, Yoshua Bengio and Yue Zhang

[Long] Highway Transformer: Self-Gating Enhanced Self-Attentive Networks
Yekun Chai, Shuo Jin and Xinwen Hou

[Long] Improving Disentangled Text Representation Learning with Information-Theoretic Guidance
Pengyu Cheng, Martin Renqiang Min, Dinghan Shen, Christopher Malon, Yizhe Zhang, Yitong Li and Lawrence Carin

[Long] Low-Dimensional Hyperbolic Knowledge Graph Embeddings
Ines Chami, Adva Wolf, Da-Cheng Juan, Frederic Sala, Sujith Ravi and Christopher Ré

[Long] Null It Out: Guarding Protected Attributes by Iterative Nullspace Projection
Shauli Ravfogel, Yanai Elazar, Hila Gonen, Michael Twiton and Yoav Goldberg

12:00–13:00 Session 13A NLP Applications-10

[Short] Closing the Gap: Joint De-Identification and Concept Extraction in the Clinical Domain
Lukas Lange, Heike Adel and Jannik Strötgen

[Long] CorefQA: Coreference Resolution as Query-based Span Prediction
Wei Wu, Fei Wang, Arianna Yuan, Fei Wu and Jiwei Li

[Long] From Zero to Hero: Human-In-The-Loop Entity Linking in Low Resource Domains
Jan-Christoph Klie, Richard Eckart de Castilho and Iryna Gurevych

[Long] Language to Network: Conditional Parameter Adaptation with Natural Language Descriptions
Tian Jin, Zhun Liu, Shengjia Yan, Alexandre Eichenberger and Louis-Philippe Morency

[Long] Paraphrase Generation by Learning How to Edit from Samples
Amirhossein Kazemnejad, Mohammadreza Salehi and Mahdieh Soleymani Baghshah

[Short] Understanding Advertisements with BERT
Kanika Kalra, Bhargav Kurma, Silpa Vadakkeeveetil Sreelatha, Manasi Patwardhan and Shirish Karande

12:00–13:00 Session 13A Semantics: Lexical-7

[CL] LESSLEX: Linking Multilingual Embeddings to SenSe Representations of Lexical Items
Davide Colla, Enrico Mensa, Daniele P. Radicioni

[Short] Non-Linear Instance-Based Cross-Lingual Mapping for Non-Isomorphic Embedding Spaces
Goran Glavaš and Ivan Vulić

12:00–13:00 Session 13A Semantics: Sentence Level-8

[Long] Cross-Lingual Semantic Role Labeling with High-Quality Translated Training Corpus
Hao Fei, Meishan Zhang and Donghong Ji

[Long] FastBERT: a Self-distilling BERT with Adaptive Inference Time
Weijie Liu, Peng Zhou, Zhiruo Wang, Zhe Zhao, Haotang Deng and QI JU

[Long] Good-Enough Compositional Data Augmentation
Jacob Andreas

[Long] LogicalFactChecker: Leveraging Logical Operations for Fact Checking with Graph Module Network
Wanjun Zhong, Duyu Tang, Zhangyin Feng, Nan Duan, Ming Zhou, Ming Gong, Linjun Shou, Daxin Jiang, Jiahai Wang and Jian Yin

[Long] Parsing into Variable-in-situ Logico-Semantic Graphs
Yufei Chen and Weiwei Sun

[Long] RAT-SQL: Relation-Aware Schema Encoding and Linking for Text-to-SQL Parsers
Bailin Wang, Richard Shin, Xiaodong Liu, Oleksandr Polozov and Matthew Richardson

[Long] Semi-Supervised Semantic Dependency Parsing Using CRF Autoencoders
Zixia Jia, Youmi Ma, Jiong Cai and Kewei Tu

[Short] Sentence Meta-Embeddings for Unsupervised Semantic Textual Similarity
Nina Poerner, Ulli Waltinger and Hinrich Schütze

[Long] Transition-based Semantic Dependency Parsing with Pointer Networks
Daniel Fernández-González and Carlos Gómez-Rodríguez

[Short] tBERT: Topic Models and BERT Joining Forces for Semantic Similarity Detection
Nicole Peinelt, Dong Nguyen and Maria Liakata

12:00–13:00 Session 13A Semantics: Textual Inference and Other Areas of Semantics-5

[Long] Curriculum Learning for Natural Language Understanding
Benfeng Xu, Licheng Zhang, Zhendong Mao, Quan Wang, Hongtao Xie and Yongdong Zhang

[Long] Evidence-Aware Inferential Text Generation with Vector Quantised Variational AutoEncoder
Daya Guo, Duyu Tang, Nan Duan, Jian Yin, Daxin Jiang and Ming Zhou

[Long] Fine-grained Fact Verification with Kernel Graph Attention Network
Zhenghao Liu, Chenyan Xiong, Maosong Sun and Zhiyuan Liu

[Long] NeuInfer: Knowledge Inference on N-ary Facts
Saiping Guan, Xiaolong Jin, Jiafeng Guo, Yuanzhuo Wang and Xueqi Cheng

[Short] Neural Graph Matching Networks for Chinese Short Text Matching
Lu Chen, Yanbin Zhao, Boer Lyu, Lesheng Jin, Zhi Chen, Su Zhu and Kai Yu

[Long] Premise Selection in Natural Language Mathematical Texts
Deborah Ferreira and André Freitas

[Long] Reasoning Over Semantic-Level Graph for Fact Checking
Wanjun Zhong, Jingjing Xu, Duyu Tang, Zenan Xu, Nan Duan, Ming Zhou, Jiahai Wang and Jian Yin

[Long] Temporal Common Sense Acquisition with Minimal Supervision
Ben Zhou, Qiang Ning, Daniel Khashabi and Dan Roth

[Long] The Sensitivity of Language Models and Humans to Winograd Schema Perturbations
Mostafa Abdou, Vinit Ravishankar, Maria Barrett, Yonatan Belinkov, Desmond Elliott and Anders Søgaard

12:00–13:00 Session 13A Sentiment Analysis, Stylistic Analysis, and Argument Mining-11

[Long] Conditional Augmentation for Aspect Term Extraction via Masked Sequence-to-Sequence Generation
Kun Li, Chengbo Chen, Xiaojun Quan, Qing Ling and Yan Song

[Short] Exploiting Personal Characteristics of Debaters for Predicting Persuasiveness
Khalid Al Khatib, Michael Völske, Shahbaz Syed, Nikolay Kolyada and Benno Stein

[Long] Out of the Echo Chamber: Detecting Countering Debate Speeches
Matan Orbach, Yonatan Bilu, Assaf Toledo, Dan Lahav, Michal Jacovi, Ranit Aharonov and Noam Slonim

12:00–13:00 Session 13A Student Research Workshop

[SRW] Pre-training via Leveraging Assisting Languages for Neural Machine Translation
Haiyue Song, Raj Dabre, Zhuoyuan Mao, Fei Cheng, Sadao Kurohashi and Eiichiro Sumita

[SRW] A Simple and Effective Dependency Parser for Telugu
Sneha Nallani, Manish Shrivastava and Dipti Sharma

[SRW] Cross-Lingual Disaster-related Multi-label Tweet Classification with Manifold Mixup
Jishnu Ray Chowdhury, Cornelia Caragea and Doina Caragea

12:45–13:30 Demo Session 3B

[Demo] Clinical-Coder: Assigning Interpretable ICD-10 Codes to Chinese Clinical Notes
Pengfei Cao, Chenwei Yan, Xiangling Fu, Yubo Chen, Kang Liu, Jun Zhao, Shengping Liu and Weifeng Chong

[Demo] Prta: A System to Support the Analysis of Propaganda Techniques in the News
Giovanni Da San Martino, Shaden Shaar, Yifan Zhang, Seunghak Yu, Alberto Barrón-Cedeño and Preslav Nakov

[Demo] NSTM: Real-Time Query-Driven News Overview Composition at Bloomberg
Joshua Bambrick, Minjie Xu, Andy Almonte, Igor Malioutov, Guim Perarnau, Vittorio Selo and Iat Chong Chan

13:00–14:00 Session 13B Dialogue and Interactive Systems-16

[Long] A Contextual Hierarchical Attention Network with Adaptive Objective for Dialogue State Tracking
Yong Shan, Zekang Li, Jinchao Zhang, Fandong Meng, Yang Feng, Cheng Niu and Jie Zhou

[Long] Diversifying Dialogue Generation with Non-Conversational Text
Hui Su, Xiaoyu Shen, Sanqiang Zhao, Zhou Xiao, Pengwei Hu, randy zhong, Cheng Niu and Jie Zhou

[Long] Dynamic Fusion Network for Multi-Domain End-to-end Task-Oriented Dialog
Libo Qin, Xiao Xu, Wanxiang Che, Yue Zhang and Ting Liu

[Long] KdConv: A Chinese Multi-domain Dialogue Dataset Towards Multi-turn Knowledge-driven Conversation
Hao Zhou, Chujie Zheng, Kaili Huang, Minlie Huang and Xiaoyan Zhu

[Long] Learning to Customize Model Structures for Few-shot Dialogue Generation Tasks
YIPING SONG, Zequn Liu, Wei Bi, Rui Yan and Ming Zhang

[Long] Meta-Reinforced Multi-Domain State Generator for Dialogue Systems
Yi Huang, Junlan Feng, Min Hu, Xiaoting Wu, Xiaoyu Du and Shuo Ma

[Short] Modeling Long Context for Task-Oriented Dialogue State Generation
Jun Quan and Deyi Xiong

[Long] Multi-Domain Dialogue Acts and Response Co-Generation
Kai Wang, Junfeng Tian, Rui Wang, Xiaojun Quan and Jianxing Yu

[Long] Speaker Sensitive Response Evaluation Model
JinYeong Bak and Alice Oh

13:00–14:00 Session 13B Discourse and Pragmatics-8

[Long] DRTS Parsing with Structure-Aware Encoding and Decoding
Qiankun Fu, Yue Zhang, Jiangming Liu and Meishan Zhang

13:00–14:00 Session 13B Information Extraction-8

[Long] Bipartite Flat-Graph Network for Nested Named Entity Recognition
Ying Luo and Hai Zhao

[Short] FLAT: Chinese NER Using Flat-Lattice Transformer
Xiaonan Li, Hang Yan, Xipeng Qiu and Xuanjing Huang

[Long] Temporally-Informed Analysis of Named Entity Recognition
Shruti Rijhwani and Daniel Preotiuc-Pietro

[Short] Towards Open Domain Event Trigger Identification using Adversarial Domain Adaptation
Aakanksha Naik and Carolyn Rose

13:00–14:00 Session 13B Language Grounding to Vision, Robotics and Beyond-7

[Long] Aligned Dual Channel Graph Convolutional Network for Visual Question Answering
Qingbao Huang, Jielong Wei, Yi Cai, Changmeng Zheng, Junying Chen, Ho-fung Leung and Qing Li

[Long] CompGuessWhat?!: A Multi-task Evaluation Framework for Grounded Language Learning
Alessandro Suglia, Ioannis Konstas, Andrea Vanzo, Emanuele Bastianelli, Desmond Elliott, Stella Frank and Oliver Lemon

[Long] Cross-Modality Relevance for Reasoning on Language and Vision
Chen Zheng, Quan Guo and Parisa Kordjamshidi

[Long] Learning Web-based Procedures by Reasoning over Explanations and Demonstrations in Context
Shashank Srivastava, Oleksandr Polozov, Nebojsa Jojic and Christopher Meek

[Long] Multi-agent Communication meets Natural Language: Synergies between Functional and Structural Language Learning
Angeliki Lazaridou, Anna Potapenko and Olivier Tieleman

[Long] Multimodal Neural Graph Memory Networks for Visual Question Answering
Mahmoud Khademi

13:00–14:00 Session 13B Machine Translation-15

[Long] HAT: Hardware-Aware Transformers for Efficient Natural Language Processing
Hanrui Wang, Zhanghao Wu, Zhijian Liu, Han Cai, Ligeng Zhu, Chuang Gan and Song Han

[Long] Hard-Coded Gaussian Attention for Neural Machine Translation
Weiqiu You, Simeng Sun and Mohit Iyyer

[Long] In Neural Machine Translation, What Does Transfer Learning Transfer?
Alham Fikri Aji, Nikolay Bogoychev, Kenneth Heafield and Rico Sennrich

[Long] Learning a Multi-Domain Curriculum for Neural Machine Translation
Wei Wang, Ye Tian, Jiquan Ngiam, Yinfei Yang, Isaac Caswell and Zarana Parekh

[Long] Reducing Gender Bias in Neural Machine Translation as a Domain Adaptation Problem
Danielle Saunders and Bill Byrne

[Long] Translationese as a Language in "Multilingual" NMT
Parker Riley, Isaac Caswell, Markus Freitag and David Grangier

[Long] Uncertainty-Aware Curriculum Learning for Neural Machine Translation
Yikai Zhou, Baosong Yang, Derek F. Wong, Yu Wan and Lidia S. Chao

[Long] Unsupervised Domain Clusters in Pretrained Language Models
Roee Aharoni and Yoav Goldberg

[Short] Using Context in Neural Machine Translation Training Objectives
Danielle Saunders, Felix Stahlberg and Bill Byrne

[Short] Variational Neural Machine Translation with Normalizing Flows
Hendra Setiawan, Matthias Sperber, Udhyakumar Nallasamy and Matthias Paulik

13:00–14:00 Session 13B Phonology, Morphology and Word Segmentation-5

[Long] 2kenize: Tying Subword Sequences for Chinese Script Conversion
Pranav A and Isabelle Augenstein

[TACL] Phonotactic Complexity and Its Trade-offs
Tiago Pimentel, Brian Roark, Ryan D. Cotterell

[Long] Predicting the Growth of Morphological Families from Social and Linguistic Factors
Valentin Hofmann, Janet Pierrehumbert and Hinrich Schütze

[Long] Semi-supervised Contextual Historical Text Normalization
Peter Makarov and Simon Clematide

[Long] The Paradigm Discovery Problem
Alexander Erdmann, Micha Elsner, Shijie Wu, Ryan Cotterell and Nizar Habash

[Short] Supervised Grapheme-to-Phoneme Conversion of Orthographic Schwas in Hindi and Punjabi
Aryaman Arora, Luke Gessler and Nathan Schneider

Wednesday, July 8, 2020 UTC+0 (continued)

13:00–14:00 Session 13B Question Answering-11

[Short] ClarQ: A large-scale and diverse dataset for Clarification Question Generation
Vaibhav Kumar and Alan W Black

[Long] DoQA - Accessing Domain-Specific FAQs via Conversational QA
Jon Ander Campos, Arantxa Otegi, Aitor Soroa, Jan Deriu, Mark Cieliebak and Eneko Agirre

[Long] Document Modeling with Graph Attention Networks for Multi-grained Machine Reading Comprehension
Bo Zheng, Haoyang Wen, Yaobo Liang, Nan Duan, Wanxiang Che, Daxin Jiang, Ming Zhou and Ting Liu

[Long] Low-Resource Generation of Multi-hop Reasoning Questions
Jianxing Yu, Wei Liu, Shuang Qiu, Qinliang Su, Kai Wang, Xiaojun Quan and Jian Yin

[Long] MLQA: Evaluating Cross-lingual Extractive Question Answering
Patrick Lewis, Barlas Oguz, Ruty Rinott, Sebastian Riedel and Holger Schwenk

[Long] Multi-source Meta Transfer for Low Resource Multiple-Choice Question Answering
Ming Yan, Hao Zhang, Di Jin and Joey Tianyi Zhou

[Short] R4C: A Benchmark for Evaluating RC Systems to Get the Right Answer for the Right Reason
Naoya Inoue, Pontus Stenetorp and Kentaro Inui

[Long] Recurrent Chunking Mechanisms for Long-Text Machine Reading Comprehension
Hongyu Gong, Yelong Shen, Dian Yu, Jianshu Chen and Dong Yu

Wednesday, July 8, 2020 UTC+0 (continued)

13:00–14:00 Session 13B Theme-5

[Long] A Call for More Rigor in Unsupervised Cross-lingual Learning
Mikel Artetxe, Sebastian Ruder, Dani Yogatama, Gorka Labaka and Eneko Agirre

[Short] A Tale of a Probe and a Parser
Rowan Hall Maudslay, Josef Valvoda, Tiago Pimentel, Adina Williams and Ryan Cotterell

[Short] Are we Estimating or Guesstimating Translation Quality?
Shuo Sun, Francisco Guzmán and Lucia Specia

[Long] Automated Evaluation of Writing – 50 Years and Counting
Beata Beigman Klebanov and Nitin Madnani

[Long] From SPMRL to NMRL: What Did We Learn (and Unlearn) in a Decade of Parsing Morphologically-Rich Languages (MRLs)?
Reut Tsarfaty, Dan Bareket, Stav Klein and Amit Seker

[Long] Language (Re)modelling: Towards Embodied Language Understanding
Ronen Tamari, Chen Shani, Tom Hope, Miriam R L Petruck, Omri Abend and Dafna Shahaf

[Short] Negated and Misprimed Probes for Pretrained Language Models: Birds Can Talk, But Cannot Fly
Nora Kassner and Hinrich Schütze

[Short] On Forgetting to Cite Older Papers: An Analysis of the ACL Anthology
Marcel Bollmann and Desmond Elliott

[Short] Returning the N to NLP: Towards Contextually Personalized Classification Models
Lucie Flek

[Long] Speech Translation and the End-to-End Promise: Taking Stock of Where We Are
Matthias Sperber and Matthias Paulik

[Long] To Test Machine Comprehension, Start by Defining Comprehension
Jesse Dunietz, Greg Burnham, Akash Bharadwaj, Owen Rambow, Jennifer Chu-Carroll and Dave Ferrucci

[Long] What Question Answering can Learn from Trivia Nerds
Jordan Boyd-Graber and Benjamin Börschinger

[Long] What are the Goals of Distributional Semantics?
Guy Emerson

[Long] Gender Gap in Natural Language Processing Research: Disparities in Authorship and Citations
Saif M. Mohammad

13:00–14:00 Session 13B Student Research Workshop

[SRW] AraDIC: Arabic Document Classification Using Image-Based Character Embeddings and Class-Balanced Loss
Mahmoud Daif, Shunsuke Kitada and Hitoshi Iyatomi

[SRW] Understanding Points of Correspondence between Sentences for Abstractive Summarization
Logan Lebanoff, John Muchovej, Franck Dernoncourt, Doo Soon Kim, Lidan Wang, Walter Chang and Fei Liu

[SRW] Noise-Based Augmentation Techniques for Emotion Datasets: What do we Recommend?
Mimansa Jaiswal and Emily Mower Provost

[SRW] Logical Inferences with Comparatives and Generalized Quantifiers
Izumi Haruta, Koji Mineshima and Daisuke Bekki

13:30–14:15 Demo Session 3C

[Demo] Embedding-based Scientific Literature Discovery in a Text Editor Application
Onur Gökçe, Jonathan Prada, Nikola I. Nikolov, Nianlong Gu and Richard H.R. Hahnloser

[Demo] Penman: An Open-Source Library and Tool for AMR Graphs
Michael Wayne Goodman

14:00–15:00 Plenary

14:00–14:45 *Keynote 2 Video Livestream: Josh Tenenbaum*

14:45–15:15 *Keynote 2 Live Q&A: Josh Tenenbaum*

15:15–15:25 *Best Paper Award Ceremony*

15:25–15:37 *Future Conferences*

15:37–15:49 *Closing Remarks*

17:00–17:45 Demo Session 4A

[Demo] Nakdan: Professional Hebrew Diacritizer
Avi Shmidman, Shaltiel Shmidman, Moshe Koppel and Yoav Goldberg

[Demo] SUPP.AI: Finding Evidence for Supplement-Drug Interactions
Lucy Wang, Oyvind Tafjord, Arman Cohan, Sarthak Jain, Sam Skjonsberg, Carissa Schoenick, Nick Botner and Waleed Ammar

17:00–18:00 Session 14A Generation-13

[TACL] A Knowledge-Enhanced Pretraining Model for Commonsense Story Generation
Jian Guan, Fei Huang, Minlie Huang, Zhihao Zhao, Xiaoyan Zhu

[Long] BART: Denoising Sequence-to-Sequence Pre-training for Natural Language Generation, Translation, and Comprehension
Mike Lewis, Yinhan Liu, Naman Goyal, Marjan Ghazvininejad, Abdelrahman Mohamed, Omer Levy, Veselin Stoyanov and Luke Zettlemoyer

[Long] BLEURT: Learning Robust Metrics for Text Generation
Thibault Sellam, Dipanjan Das and Ankur Parikh

[Long] Distilling Knowledge Learned in BERT for Text Generation
Yen-Chun Chen, Zhe Gan, Yu Cheng, Jingzhou Liu and Jingjing Liu

[Long] ESPRIT: Explaining Solutions to Physical Reasoning Tasks
Nazneen Fatema Rajani, Rui Zhang, Yi Chern Tan, Stephan Zheng, Jeremy Weiss, Aadit Vyas, Abhijit Gupta, Caiming Xiong, Richard Socher and Dragomir Radev

[Long] Iterative Edit-Based Unsupervised Sentence Simplification
Dhruv Kumar, Lili Mou, Lukasz Golab and Olga Vechtomova

[Long] Logical Natural Language Generation from Open-Domain Tables
Wenhu Chen, Jianshu Chen, Yu Su, Zhiyu Chen and William Yang Wang

[Long] Neural CRF Model for Sentence Alignment in Text Simplification
Chao Jiang, Mounica Maddela, Wuwei Lan, Yang Zhong and Wei Xu

[Long] One Size Does Not Fit All: Generating and Evaluating Variable Number of Keyphrases
Xingdi Yuan, Tong Wang, Rui Meng, Khushboo Thaker, Peter Brusilovsky, Daqing He and Adam Trischler

[Long] R^3: Reverse, Retrieve, and Rank for Sarcasm Generation with Commonsense Knowledge
Tuhin Chakrabarty, Debanjan Ghosh, Smaranda Muresan and Nanyun Peng

[Short] Shape of Synth to Come: Why We Should Use Synthetic Data for English Surface Realization
Henry Elder, Robert Burke, Alexander O'Connor and Jennifer Foster

[Long] Structural Information Preserving for Graph-to-Text Generation
Linfeng Song, Ante Wang, Jinsong Su, Yue Zhang, Kun Xu, Yubin Ge and Dong Yu

[TACL] Syntax-guided Controlled Generation of Paraphrases
Ashutosh Kumar, Kabir Ahuja, Raghuram Vadapalli, Partha Talukdar

17:00–18:00 Session 14A Information Extraction-9

[Long] A Joint Neural Model for Information Extraction with Global Features
Ying Lin, Heng Ji, Fei Huang and Lingfei Wu

[Short] A Two-Stage Masked LM Method for Term Set Expansion
Guy Kushilevitz, Shaul Markovitch and Yoav Goldberg

[Long] Document-Level Event Role Filler Extraction using Multi-Granularity Contextualized Encoding
Xinya Du and Claire Cardie

[Long] Exploiting the Syntax-Model Consistency for Neural Relation Extraction
Amir Pouran Ben Veyseh, Franck Dernoncourt, Dejing Dou and Thien Huu Nguyen

[Long] From English to Code-Switching: Transfer Learning with Strong Morphological Clues
Gustavo Aguilar and Thamar Solorio

[TACL] Improving Candidate Generation for Low-resource Cross-lingual Entity Linking
Shuyan Zhou, Shruti Rijhwani, John Wieting, Jaime Carbonell, Graham Neubig

[Long] Learning Interpretable Relationships between Entities, Relations and Concepts via Bayesian Structure Learning on Open Domain Facts
Jingyuan Zhang, Mingming Sun, Yue Feng and Ping Li

[Long] Multi-Sentence Argument Linking
Seth Ebner, Patrick Xia, Ryan Culkin, Kyle Rawlins and Benjamin Van Durme

[Long] Rationalizing Medical Relation Prediction from Corpus-level Statistics
Zhen Wang, Jennifer Lee, Simon Lin and Huan Sun

[Long] Sources of Transfer in Multilingual Named Entity Recognition
David Mueller, Nicholas Andrews and Mark Dredze

[Long] ZeroShotCeres: Zero-Shot Relation Extraction from Semi-Structured Webpages
Colin Lockard, Prashant Shiralkar, Xin Luna Dong and Hannaneh Hajishirzi

[Short] Soft Gazetteers for Low-Resource Named Entity Recognition
Shruti Rijhwani, Shuyan Zhou, Graham Neubig and Jaime Carbonell

17:00–18:00 Session 14A Information Retrieval and Text Mining-7

[Long] A Prioritization Model for Suicidality Risk Assessment
Han-Chin Shing, Philip Resnik and Douglas Oard

[Long] CluHTM - Semantic Hierarchical Topic Modeling based on CluWords
Felipe Viegas, Washington Cunha, Christian Gomes, Antônio Pereira, Leonardo Rocha and Marcos Goncalves

[Long] Document Translation vs. Query Translation for Cross-Lingual Information Retrieval in the Medical Domain
Shadi Saleh and Pavel Pecina

[Long] Empower Entity Set Expansion via Language Model Probing
Yunyi Zhang, Jiaming Shen, Jingbo Shang and Jiawei Han

[Long] Feature Projection for Improved Text Classification
Qi Qin, Wenpeng Hu and Bing Liu

17:00–18:00 Session 14A Language Grounding to Vision, Robotics and Beyond-8

[Short] A negative case analysis of visual grounding methods for VQA
Robik Shrestha, Kushal Kafle and Christopher Kanan

[Long] CompGuessWhat?!: A Multi-task Evaluation Framework for Grounded Language Learning
Alessandro Suglia, Ioannis Konstas, Andrea Vanzo, Emanuele Bastianelli, Desmond Elliott, Stella Frank and Oliver Lemon

[Long] History for Visual Dialog: Do we really need it?
Shubham Agarwal, Trung Bui, Joon-Young Lee, Ioannis Konstas and Verena Rieser

[Long] Mapping Natural Language Instructions to Mobile UI Action Sequences
Yang Li, Jiacong He, Xin Zhou, Yuan Zhang and Jason Baldridge

[Long] Multi-agent Communication meets Natural Language: Synergies between Functional and Structural Language Learning
Angeliki Lazaridou, Anna Potapenko and Olivier Tieleman

[Long] TVQA+: Spatio-Temporal Grounding for Video Question Answering
Jie Lei, Licheng Yu, Tamara Berg and Mohit Bansal

[Long] Unsupervised Multimodal Neural Machine Translation with Pseudo Visual Pivoting
Po-Yao Huang, Junjie Hu, Xiaojun Chang and Alexander Hauptmann

17:00–18:00 Session 14A Phonology, Morphology and Word Segmentation-6

[Long] A Multitask Learning Approach for Diacritic Restoration
Sawsan Alqahtani, Ajay Mishra and Mona Diab

[Long] Frugal Paradigm Completion
Alexander Erdmann, Tom Kenter, Markus Becker and Christian Schallhart

[Long] Improving Chinese Word Segmentation with Wordhood Memory Networks
Yuanhe Tian, Yan Song, Fei Xia, Tong Zhang and Yonggang Wang

[Long] Joint Chinese Word Segmentation and Part-of-speech Tagging via Two-way Attentions of Auto-analyzed Knowledge
Yuanhe Tian, Yan Song, Xiang Ao, Fei Xia, Xiaojun Quan, Tong Zhang and Yonggang Wang

[Long] Joint Diacritization, Lemmatization, Normalization, and Fine-Grained Morphological Tagging
Nasser Zalmout and Nizar Habash

[Long] Phonetic and Visual Priors for Decipherment of Informal Romanization
Maria Ryskina, Matthew R. Gormley and Taylor Berg-Kirkpatrick

[TACL] Phonotactic Complexity and Its Trade-offs
Tiago Pimentel, Brian Roark, Ryan D. Cotterell

[Long] The Paradigm Discovery Problem
Alexander Erdmann, Micha Elsner, Shijie Wu, Ryan Cotterell and Nizar Habash

[Short] Supervised Grapheme-to-Phoneme Conversion of Orthographic Schwas in Hindi and Punjabi
Aryaman Arora, Luke Gessler and Nathan Schneider

17:00–18:00 Session 14A Semantics: Sentence Level-9

[Short] Active Learning for Coreference Resolution using Discrete Annotation
Belinda Z. Li, Gabriel Stanovsky and Luke Zettlemoyer

[Long] Beyond Possession Existence: Duration and Co-Possession
Dhivya Chinnappa, Srikala Murugan and Eduardo Blanco

[TACL] Decoding Brain Activity Associated with Literal and Metaphoric Sentence Comprehension using Distributional Semantic Models
Vesna G. Djokic, Jean Maillard, Luana Bulat, Ekaterina Shutova

[Long] Don't Stop Pretraining: Adapt Language Models to Domains and Tasks
Suchin Gururangan, Ana Marasović, Swabha Swayamdipta, Kyle Lo, Iz Beltagy, Doug Downey and Noah A. Smith

[Short] Estimating Mutual Information Between Dense Word Embeddings
Vitalii Zhelezniak, Aleksandar Savkov and Nils Hammerla

[Long] Exploring Unexplored Generalization Challenges for Cross-Database Semantic Parsing
Alane Suhr, Ming-Wei Chang, Peter Shaw and Kenton Lee

[Long] Predicting the Focus of Negation: Model and Error Analysis
Md Mosharaf Hossain, Kathleen Hamilton, Alexis Palmer and Eduardo Blanco

[Long] RAT-SQL: Relation-Aware Schema Encoding and Linking for Text-to-SQL Parsers
Bailin Wang, Richard Shin, Xiaodong Liu, Oleksandr Polozov and Matthew Richardson

[Long] Structured Tuning for Semantic Role Labeling
Tao Li, Parth Anand Jawale, Martha Palmer and Vivek Srikumar

[Long] TaBERT: Pretraining for Joint Understanding of Textual and Tabular Data
Pengcheng Yin, Graham Neubig, Wen-tau Yih and Sebastian Riedel

[Long] Universal Decompositional Semantic Parsing
Elias Stengel-Eskin, Aaron Steven White, Sheng Zhang and Benjamin Van Durme

[Long] Unsupervised Cross-lingual Representation Learning at Scale
Alexis Conneau, Kartikay Khandelwal, Naman Goyal, Vishrav Chaudhary, Guillaume Wenzek, Francisco Guzmán, Edouard Grave, Myle Ott, Luke Zettlemoyer and Veselin Stoyanov

17:00–18:00 Session 14A Student Research Workshop

[SRW] Topic Balancing with Additive Regularization of Topic Models
Eugeniia Veselova and Konstantin Vorontsov

[SRW] Combining Subword Representations into Word-level Representations in the Transformer Architecture
Noe Casas, Marta R. Costa-jussà and José A. R. Fonollosa

[SRW] Exploring Interpretability in Event Extraction: Multitask Learning of a Neural Event Classifier and an Explanation Decoder
Zheng Tang, Gus Hahn-Powell and Mihai Surdeanu

[SRW] Dominance as an Indicator of Rapport and Learning in Human-Agent Communication
Amanda Buddemeyer, Xiaoyi Tian and Erin Walker

17:45–18:30 Demo Session 4B

[Demo] Conversation Learner - A Machine Teaching Tool for Building Dialog Managers for Task-Oriented Dialog Systems
Swadheen Shukla, Lars Liden, Shahin Shayandeh, Eslam Kamal, Jinchao Li, Matt Mazzola, Thomas Park, Baolin Peng and Jianfeng Gao

[Demo] LEAN-LIFE: A Label-Efficient Annotation Framework Towards Learning from Explanation
Dong-Ho Lee, Rahul Khanna, Bill Yuchen Lin, Seyeon Lee, Qinyuan Ye, Elizabeth Boschee, Leonardo Neves and Xiang Ren

18:00–19:00 Session 14B Information Extraction-10

[Long] A Generate-and-Rank Framework with Semantic Type Regularization for Biomedical Concept Normalization
Dongfang Xu, Zeyu Zhang and Steven Bethard

[Long] Hierarchical Entity Typing via Multi-level Learning to Rank
Tongfei Chen, Yunmo Chen and Benjamin Van Durme

[Long] Multi-Domain Named Entity Recognition with Genre-Aware and Agnostic Inference
Jing Wang, Mayank Kulkarni and Daniel Preotiuc-Pietro

[Long] TXtract: Taxonomy-Aware Knowledge Extraction for Thousands of Product Categories
Giannis Karamanolakis, Jun Ma and Xin Luna Dong

[Short] TriggerNER: Learning with Entity Triggers as Explanations for Named Entity Recognition
Bill Yuchen Lin, Dong-Ho Lee, Ming Shen, Ryan Moreno, Xiao Huang, Prashant Shiralkar and Xiang Ren

18:00–19:00 Session 14B Machine Learning for NLP-16

[Long] A Mixture of h - 1 Heads is Better than h Heads
Hao Peng, Roy Schwartz, Dianqi Li and Noah A. Smith

[Long] CamemBERT: a Tasty French Language Model
Louis Martin, Benjamin Muller, Pedro Javier Ortiz Suárez, Yoann Dupont, Laurent Romary, Éric de la Clergerie, Djamé Seddah and Benoît Sagot

[Short] Contrastive Self-Supervised Learning for Commonsense Reasoning
Tassilo Klein and Moin Nabi

[Short] Do Transformers Need Deep Long-Range Memory?
Jack Rae and Ali Razavi

[Long] Generalized Entropy Regularization or: There's Nothing Special about Label Smoothing
Clara Meister, Elizabeth Salesky and Ryan Cotterell

[Long] Improving Disentangled Text Representation Learning with Information-Theoretic Guidance
Pengyu Cheng, Martin Renqiang Min, Dinghan Shen, Christopher Malon, Yizhe Zhang, Yitong Li and Lawrence Carin

[Long] The Right Tool for the Job: Matching Model and Instance Complexities
Roy Schwartz, Gabriel Stanovsky, Swabha Swayamdipta, Jesse Dodge and Noah A. Smith

18:00–19:00 Session 14B Machine Translation-16

[Long] Addressing Posterior Collapse with Mutual Information for Improved Variational Neural Machine Translation
Arya D. McCarthy, Xian Li, Jiatao Gu and Ning Dong

[Long] Balancing Training for Multilingual Neural Machine Translation
Xinyi Wang, Yulia Tsvetkov and Graham Neubig

[Short] Classification-Based Self-Learning for Weakly Supervised Bilingual Lexicon Induction
Mladen Karan, Ivan Vulić, Anna Korhonen and Goran Glavaš

[Short] Evaluating Robustness to Input Perturbations for Neural Machine Translation
Xing Niu, Prashant Mathur, Georgiana Dinu and Yaser Al-Onaizan

[Long] Gender in Danger? Evaluating Speech Translation Technology on the MuST-SHE Corpus
Luisa Bentivogli, Beatrice Savoldi, Matteo Negri, Mattia A. Di Gangi, Roldano Cattoni and Marco Turchi

[Long] In Neural Machine Translation, What Does Transfer Learning Transfer?
Alham Fikri Aji, Nikolay Bogoychev, Kenneth Heafield and Rico Sennrich

[Long] Parallel Corpus Filtering via Pre-trained Language Models
Boliang Zhang, Ajay Nagesh and Kevin Knight

[Long] Reducing Gender Bias in Neural Machine Translation as a Domain Adaptation Problem
Danielle Saunders and Bill Byrne

[Short] Regularized Context Gates on Transformer for Machine Translation
Xintong Li, Lemao Liu, Rui Wang, Guoping Huang and Max Meng

[Long] Unsupervised Domain Clusters in Pretrained Language Models
Roee Aharoni and Yoav Goldberg

[Short] Using Context in Neural Machine Translation Training Objectives
Danielle Saunders, Felix Stahlberg and Bill Byrne

[Short] Variational Neural Machine Translation with Normalizing Flows
Hendra Setiawan, Matthias Sperber, Udhyakumar Nallasamy and Matthias Paulik

18:00–19:00 Session 14B NLP Applications-11

[Short] A Multi-Perspective Architecture for Semantic Code Search
Rajarshi Haldar, Lingfei Wu, JinJun Xiong and Julia Hockenmaier

[Short] Automated Topical Component Extraction Using Neural Network Attention Scores from Source-based Essay Scoring
Haoran Zhang and Diane Litman

[Short] Clinical Concept Linking with Contextualized Neural Representations
Elliot Schumacher, Andriy Mulyar and Mark Dredze

[Long] DeSePtion: Dual Sequence Prediction and Adversarial Examples for Improved Fact-Checking
Christopher Hidey, Tuhin Chakrabarty, Tariq Alhindi, Siddharth Varia, Kriste Krstovski, Mona Diab and Smaranda Muresan

[Long] Estimating predictive uncertainty for rumour verification models
Elena Kochkina and Maria Liakata

[Short] Let Me Choose: From Verbal Context to Font Selection
Amirreza Shirani, Franck Dernoncourt, Jose Echevarria, Paul Asente, Nedim Lipka and Thamar Solorio

[TACL] Machine Learning Driven Language Assessment
Burr Settles, Masato Hagiwara, Geoffrey T. LaFlair

[Long] Multi-Label and Multilingual News Framing Analysis
Afra Feyza Akyürek, Lei Guo, Randa Elanwar, Prakash Ishwar, Margrit Betke and Derry Tanti Wijaya

[Long] Predicting Performance for Natural Language Processing Tasks
Mengzhou Xia, Antonios Anastasopoulos, Ruochen Xu, Yiming Yang and Graham Neubig

[Long] ScriptWriter: Narrative-Guided Script Generation
Yutao Zhu, Ruihua Song, Zhicheng Dou, Jian-Yun NIE and Jin Zhou

[Long] Should All Cross-Lingual Embeddings Speak English?
Antonios Anastasopoulos and Graham Neubig

[Short] Smart To-Do: Automatic Generation of To-Do Items from Emails
Sudipto Mukherjee, Subhabrata Mukherjee, Marcello Hasegawa, Ahmed Hassan Awadallah and Ryen White

[Short] Understanding Advertisements with BERT
Kanika Kalra, Bhargav Kurma, Silpa Vadakkeeveetil Sreelatha, Manasi Patwardhan and Shirish Karande

18:00–19:00 Session 14B Semantics: Lexical-8

[CL] LESSLEX: Linking Multilingual Embeddings to SenSe Representations of Lexical Items
Davide Colla, Enrico Mensa, Daniele P. Radicioni

[Short] Non-Linear Instance-Based Cross-Lingual Mapping for Non-Isomorphic Embedding Spaces
Goran Glavaš and Ivan Vulić

18:00–19:00 Session 14B Semantics: Textual Inference and Other Areas of Semantics-6

[Long] Are Natural Language Inference Models IMPPRESsive? Learning IMPlicature and PRESupposition
Paloma Jeretic, Alex Warstadt, Suvrat Bhooshan and Adina Williams

[Long] Benchmarking Multimodal Regex Synthesis with Complex Structures
Xi Ye, Qiaochu Chen, Isil Dillig and Greg Durrett

[Long] End-to-End Bias Mitigation by Modelling Biases in Corpora
Rabeeh Karimi Mahabadi, Yonatan Belinkov and James Henderson

[Long] Generating Fact Checking Explanations
Pepa Atanasova, Jakob Grue Simonsen, Christina Lioma and Isabelle Augenstein

[Long] Mind the Trade-off: Debiasing NLU Models without Degrading the In-distribution Performance
Prasetya Ajie Utama, Nafise Sadat Moosavi and Iryna Gurevych

[Long] NILE : Natural Language Inference with Faithful Natural Language Explanations
Sawan Kumar and Partha Talukdar

[Long] Neural Mixed Counting Models for Dispersed Topic Discovery
Jiemin Wu, Yanghui Rao, Zusheng Zhang, Haoran Xie, Qing Li, Fu Lee Wang and Ziye Chen

[Long] QuASE: Question-Answer Driven Sentence Encoding
Hangfeng He, Qiang Ning and Dan Roth

[Long] Temporal Common Sense Acquisition with Minimal Supervision
Ben Zhou, Qiang Ning, Daniel Khashabi and Dan Roth

[Long] The Sensitivity of Language Models and Humans to Winograd Schema Perturbations
Mostafa Abdou, Vinit Ravishankar, Maria Barrett, Yonatan Belinkov, Desmond Elliott and Anders Søgaard

[Long] Towards Robustifying NLI Models Against Lexical Dataset Biases
Xiang Zhou and Mohit Bansal

[Short] Uncertain Natural Language Inference
Tongfei Chen, Zhengping Jiang, Adam Poliak, Keisuke Sakaguchi and Benjamin Van Durme

18:00–19:00 Session 14B Syntax: Tagging, Chunking and Parsing-5

[TACL] Deep Contextualized Self-training for Low Resource Dependency Parsing
Guy Rotman, Roi Reichart

[Long] Extracting Headless MWEs from Dependency Parse Trees: Parsing, Tagging, and Joint Modeling Approaches
Tianze Shi and Lillian Lee

[Short] Revisiting Higher-Order Dependency Parsers
Erick Fonseca and André F. T. Martins

[Long] SeqVAT: Virtual Adversarial Training for Semi-Supervised Sequence Labeling
Luoxin Chen, Weitong Ruan, Xinyue Liu and Jianhua Lu

[Short] Tetra-Tagging: Word-Synchronous Parsing with Linear-Time Inference
Nikita Kitaev and Dan Klein

[Short] Treebank Embedding Vectors for Out-of-domain Dependency Parsing
Joachim Wagner, James Barry and Jennifer Foster

18:00–19:00 Session 14B Student Research Workshop

[SRW] Why is penguin more similar to polar bear than to sea gull? Analyzing conceptual knowledge in distributional models
Pia Sommerauer

[SRW] Pointwise Paraphrase Appraisal is Potentially Problematic
Hannah Chen, Yangfeng Ji and David Evans

[SRW] A Geometry-Inspired Attack for Generating Natural Language Adversarial Examples
Zhao Meng and Roger Wattenhofer

[SRW] Enhancing Word Embeddings with Knowledge Extracted from Lexical Resources
Magdalena Biesialska, Bardia Rafieian and Marta R. Costa-jussà

18:30–19:15 Demo Session 4C

[Demo] MMPE: A Multi-Modal Interface using Handwriting, Touch Reordering, and Speech Commands for Post-Editing Machine Translation
Nico Herbig, Santanu Pal, Tim Düwel, Kalliopi Meladaki, Mahsa Monshizadeh, Vladislav Hnatovskiy, Antonio Krüger and Josef van Genabith

[Demo] What's The Latest? A Question-driven News Chatbot
Philippe Laban, John Canny and Marti A. Hearst

20:00–20:45 Demo Session 5A

[Demo] MixingBoard: a Knowledgeable Stylized Integrated Text Generation Platform
Xiang Gao, Michel Galley and Bill Dolan

[Demo] DIALOGPT : Large-Scale Generative Pre-training for Conversational Response Generation
Yizhe Zhang, Siqi Sun, Michel Galley, Yen-Chun Chen, Chris Brockett, Xiang Gao, Jianfeng Gao, Jingjing Liu and Bill Dolan

[Demo] SUPP.AI: Finding Evidence for Supplement-Drug nteractions
Lucy Wang, Oyvind Tafjord, Arman Cohan, Sarthak Jain, Sam Skjonsberg, Carissa Schoenick, Nick Botner and Waleed Ammar

20:00–21:00 Session 15A Generation-14

[TACL] A Knowledge-Enhanced Pretraining Model for Commonsense Story Generation
Jian Guan, Fei Huang, Minlie Huang, Zhihao Zhao, Xiaoyan Zhu

[Long] BART: Denoising Sequence-to-Sequence Pre-training for Natural Language Generation, Translation, and Comprehension
Mike Lewis, Yinhan Liu, Naman Goyal, Marjan Ghazvininejad, Abdelrahman Mohamed, Omer Levy, Veselin Stoyanov and Luke Zettlemoyer

[Long] BLEURT: Learning Robust Metrics for Text Generation
Thibault Sellam, Dipanjan Das and Ankur Parikh

[Long] Distilling Knowledge Learned in BERT for Text Generation
Yen-Chun Chen, Zhe Gan, Yu Cheng, Jingzhou Liu and Jingjing Liu

[Long] Improving Image Captioning with Better Use of Caption
Zhan Shi, Xu Zhou, Xipeng Qiu and Xiaodan Zhu

[Long] Iterative Edit-Based Unsupervised Sentence Simplification
Dhruv Kumar, Lili Mou, Lukasz Golab and Olga Vechtomova

[Long] Neural CRF Model for Sentence Alignment in Text Simplification
Chao Jiang, Mounica Maddela, Wuwei Lan, Yang Zhong and Wei Xu

[Long] One Size Does Not Fit All: Generating and Evaluating Variable Number of Keyphrases
Xingdi Yuan, Tong Wang, Rui Meng, Khushboo Thaker, Peter Brusilovsky, Daqing He and Adam Trischler

20:00–21:00 Session 15A Information Extraction-11

[Long] A Generate-and-Rank Framework with Semantic Type Regularization for Biomedical Concept Normalization
Dongfang Xu, Zeyu Zhang and Steven Bethard

[Long] A Joint Neural Model for Information Extraction with Global Features
Ying Lin, Heng Ji, Fei Huang and Lingfei Wu

[Short] A Two-Step Approach for Implicit Event Argument Detection
Zhisong Zhang, Xiang Kong, Zhengzhong Liu, Xuezhe Ma and Eduard Hovy

[Long] Document-Level Event Role Filler Extraction using Multi-Granularity Contextualized Encoding
Xinya Du and Claire Cardie

[Long] Learning Interpretable Relationships between Entities, Relations and Concepts via Bayesian Structure Learning on Open Domain Facts
Jingyuan Zhang, Mingming Sun, Yue Feng and Ping Li

[Long] Multi-Sentence Argument Linking
Seth Ebner, Patrick Xia, Ryan Culkin, Kyle Rawlins and Benjamin Van Durme

[Short] Revisiting Unsupervised Relation Extraction
Thy Thy Tran, Phong Le and Sophia Ananiadou

[Long] Temporally-Informed Analysis of Named Entity Recognition
Shruti Rijhwani and Daniel Preotiuc-Pietro

[Short] Towards Open Domain Event Trigger Identification using Adversarial Domain Adaptation
Aakanksha Naik and Carolyn Rose

[Long] ZeroShotCeres: Zero-Shot Relation Extraction from Semi-Structured Webpages
Colin Lockard, Prashant Shiralkar, Xin Luna Dong and Hannaneh Hajishirzi

Wednesday, July 8, 2020 UTC+0 (continued)

20:00–21:00 Session 15A Information Retrieval and Text Mining-8

[Long] A Prioritization Model for Suicidality Risk Assessment
Han-Chin Shing, Philip Resnik and Douglas Oard

[Long] CluHTM - Semantic Hierarchical Topic Modeling based on CluWords
Felipe Viegas, Washington Cunha, Christian Gomes, Antônio Pereira, Leonardo Rocha and Marcos Goncalves

[Long] Empower Entity Set Expansion via Language Model Probing
Yunyi Zhang, Jiaming Shen, Jingbo Shang and Jiawei Han

[Long] Feature Projection for Improved Text Classification
Qi Qin, Wenpeng Hu and Bing Liu

[Short] Learning Robust Models for e-Commerce Product Search
Thanh Nguyen, Nikhil Rao and Karthik Subbian

20:00–21:00 Session 15A Language Grounding to Vision, Robotics and Beyond-9

[Short] A negative case analysis of visual grounding methods for VQA
Robik Shrestha, Kushal Kafle and Christopher Kanan

[Long] Cross-Modality Relevance for Reasoning on Language and Vision
Chen Zheng, Quan Guo and Parisa Kordjamshidi

[Long] History for Visual Dialog: Do we really need it?
Shubham Agarwal, Trung Bui, Joon-Young Lee, Ioannis Konstas and Verena Rieser

[Short] Knowledge Supports Visual Language Grounding: A Case Study on Colour Terms
Simeon Schüz and Sina Zarrieß

[Long] Learning Web-based Procedures by Reasoning over Explanations and Demonstrations in Context
Shashank Srivastava, Oleksandr Polozov, Nebojsa Jojic and Christopher Meek

[Long] Mapping Natural Language Instructions to Mobile UI Action Sequences
Yang Li, Jiacong He, Xin Zhou, Yuan Zhang and Jason Baldridge

[Long] Refer360°: A Referring Expression Recognition Dataset in 360° Images
Volkan Cirik, Taylor Berg-Kirkpatrick and Louis-Philippe Morency

[Long] TVQA+: Spatio-Temporal Grounding for Video Question Answering
Jie Lei, Licheng Yu, Tamara Berg and Mohit Bansal

[Long] Unsupervised Multimodal Neural Machine Translation with Pseudo Visual Pivoting
Po-Yao Huang, Junjie Hu, Xiaojun Chang and Alexander Hauptmann

[Short] Words Aren't Enough, Their Order Matters: On the Robustness of Grounding Visual Referring Expressions
Arjun Akula, Spandana Gella, Yaser Al-Onaizan, Song-Chun Zhu and Siva Reddy

20:00–21:00 Session 15A Machine Translation-17

[Long] Addressing Posterior Collapse with Mutual Information for Improved Variational Neural Machine Translation
Arya D. McCarthy, Xian Li, Jiatao Gu and Ning Dong

[Short] Evaluating Robustness to Input Perturbations for Neural Machine Translation
Xing Niu, Prashant Mathur, Georgiana Dinu and Yaser Al-Onaizan

[Long] Hard-Coded Gaussian Attention for Neural Machine Translation
Weiqiu You, Simeng Sun and Mohit Iyyer

[Long] Learning a Multi-Domain Curriculum for Neural Machine Translation
Wei Wang, Ye Tian, Jiquan Ngiam, Yinfei Yang, Isaac Caswell and Zarana Parekh

[Short] Tagged Back-translation Revisited: Why Does It Really Work?
Benjamin Marie, Raphael Rubino and Atsushi Fujita

20:00–21:00 Session 15A Semantics: Sentence Level-10

[Short] Active Learning for Coreference Resolution using Discrete Annotation
Belinda Z. Li, Gabriel Stanovsky and Luke Zettlemoyer

[TACL] Decoding Brain Activity Associated with Literal and Metaphoric Sentence Comprehension using Distributional Semantic Models
Vesna G. Djokic, Jean Maillard, Luana Bulat, Ekaterina Shutova

[Long] Emerging Cross-lingual Structure in Pretrained Language Models
Alexis Conneau, Shijie Wu, Haoran Li, Luke Zettlemoyer and Veselin Stoyanov

[Short] Estimating Mutual Information Between Dense Word Embeddings
Vitalii Zhelezniak, Aleksandar Savkov and Nils Hammerla

[Long] Exploring Unexplored Generalization Challenges for Cross-Database Semantic Parsing
Alane Suhr, Ming-Wei Chang, Peter Shaw and Kenton Lee

[Long] Good-Enough Compositional Data Augmentation
Jacob Andreas

[Short] Incorporating External Knowledge through Pre-training for Natural Language to Code Generation
Frank F. Xu, Zhengbao Jiang, Pengcheng Yin, Bogdan Vasilescu and Graham Neubig

[Long] Predicting the Focus of Negation: Model and Error Analysis
Md Mosharaf Hossain, Kathleen Hamilton, Alexis Palmer and Eduardo Blanco

[Long] TaBERT: Pretraining for Joint Understanding of Textual and Tabular Data
Pengcheng Yin, Graham Neubig, Wen-tau Yih and Sebastian Riedel

[Long] Unsupervised Cross-lingual Representation Learning at Scale
Alexis Conneau, Kartikay Khandelwal, Naman Goyal, Vishrav Chaudhary, Guillaume Wenzek, Francisco Guzmán, Edouard Grave, Myle Ott, Luke Zettlemoyer and Veselin Stoyanov

20:00–21:00 Session 15A Semantics: Textual Inference and Other Areas of Semantics-7

[Long] Are Natural Language Inference Models IMPPRESsive? Learning IMPlicature and PRESupposition
Paloma Jeretic, Alex Warstadt, Suvrat Bhooshan and Adina Williams

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Hangfeng He, Qiang Ning and Dan Roth

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Xiang Zhou and Mohit Bansal

[Short] Uncertain Natural Language Inference
Tongfei Chen, Zhengping Jiang, Adam Poliak, Keisuke Sakaguchi and Benjamin Van Durme

20:00–21:00 Session 15A Student Research Workshop

[SRW] Checkpoint Reranking: An Approach to Select Better Hypothesis for Neural Machine Translation Systems
Vinay Pandramish and Dipti Misra Sharma

[SRW] Story-level Text Style Transfer: A Proposal
Yusu Qian

[SRW] Non-Topical Coherence in Social Talk: A Call for Dialogue Model Enrichment
Alex Luu and Sophia A. Malamud

[SRW] Compositional Generalization by Factorizing Alignment and Translation
Jacob Russin, Jason Jo, Randall O'Reilly and Yoshua Bengio

20:45–21:30 Demo Session 5B

[Demo] NSTM: Real-Time Query-Driven News Overview Composition at Bloomberg
Joshua Bambrick, Minjie Xu, Andy Almonte, Igor Malioutov, Guim Perarnau, Vittorio Selo and Iat Chong Chan

[Demo] LEAN-LIFE: A Label-Efficient Annotation Framework Towards Learning from Explanation
Dong-Ho Lee, Rahul Khanna, Bill Yuchen Lin, Seyeon Lee, Qinyuan Ye, Elizabeth Boschee, Leonardo Neves and Xiang Ren

21:00–22:00 Session 15B Generation-15

[Long] ESPRIT: Explaining Solutions to Physical Reasoning Tasks
Nazneen Fatema Rajani, Rui Zhang, Yi Chern Tan, Stephan Zheng, Jeremy Weiss, Aadit Vyas, Abhijit Gupta, Caiming Xiong, Richard Socher and Dragomir Radev

[Long] Logical Natural Language Generation from Open-Domain Tables
Wenhu Chen, Jianshu Chen, Yu Su, Zhiyu Chen and William Yang Wang

[Long] R^3: Reverse, Retrieve, and Rank for Sarcasm Generation with Commonsense Knowledge
Tuhin Chakrabarty, Debanjan Ghosh, Smaranda Muresan and Nanyun Peng

[Long] Structural Information Preserving for Graph-to-Text Generation
Linfeng Song, Ante Wang, Jinsong Su, Yue Zhang, Kun Xu, Yubin Ge and Dong Yu

[Short] Toward Better Storylines with Sentence-Level Language Models
Daphne Ippolito, David Grangier, Douglas Eck and Chris Callison-Burch

21:00–22:00 Session 15B Information Extraction-12

[Long] Exploiting the Syntax-Model Consistency for Neural Relation Extraction
Amir Pouran Ben Veyseh, Franck Dernoncourt, Dejing Dou and Thien Huu Nguyen

[Long] From English to Code-Switching: Transfer Learning with Strong Morphological Clues
Gustavo Aguilar and Thamar Solorio

[Long] Hierarchical Entity Typing via Multi-level Learning to Rank
Tongfei Chen, Yunmo Chen and Benjamin Van Durme

[Long] Machine Reading of Historical Events
Or Honovich, Lucas Torroba Hennigen, Omri Abend and Shay B. Cohen

[Long] Multi-Domain Named Entity Recognition with Genre-Aware and Agnostic Inference
Jing Wang, Mayank Kulkarni and Daniel Preotiuc-Pietro

[Long] Rationalizing Medical Relation Prediction from Corpus-level Statistics
Zhen Wang, Jennifer Lee, Simon Lin and Huan Sun

[Long] Representation Learning for Information Extraction from Form-like Documents
Bodhisattwa Prasad Majumder, Navneet Potti, Sandeep Tata, James Bradley Wendt, Qi Zhao and Marc Najork

[Long] SciREX: A Challenge Dataset for Document-Level Information Extraction
Sarthak Jain, Madeleine van Zuylen, Hannaneh Hajishirzi and Iz Beltagy

[Short] Soft Gazetteers for Low-Resource Named Entity Recognition
Shruti Rijhwani, Shuyan Zhou, Graham Neubig and Jaime Carbonell

[Long] Sources of Transfer in Multilingual Named Entity Recognition
David Mueller, Nicholas Andrews and Mark Dredze

Wednesday, July 8, 2020 UTC+0 (continued)

[Long] TXtract: Taxonomy-Aware Knowledge Extraction for Thousands of Product Categories
Giannis Karamanolakis, Jun Ma and Xin Luna Dong

[Short] TriggerNER: Learning with Entity Triggers as Explanations for Named Entity Recognition
Bill Yuchen Lin, Dong-Ho Lee, Ming Shen, Ryan Moreno, Xiao Huang, Prashant Shiralkar and Xiang Ren

21:00–22:00 Session 15B Machine Translation-18

[Long] Balancing Training for Multilingual Neural Machine Translation
Xinyi Wang, Yulia Tsvetkov and Graham Neubig

[Long] HAT: Hardware-Aware Transformers for Efficient Natural Language Processing
Hanrui Wang, Zhanghao Wu, Zhijian Liu, Han Cai, Ligeng Zhu, Chuang Gan and Song Han

[Long] Parallel Corpus Filtering via Pre-trained Language Models
Boliang Zhang, Ajay Nagesh and Kevin Knight

[Short] Regularized Context Gates on Transformer for Machine Translation
Xintong Li, Lemao Liu, Rui Wang, Guoping Huang and Max Meng

[Long] Translationese as a Language in "Multilingual" NMT
Parker Riley, Isaac Caswell, Markus Freitag and David Grangier

Wednesday, July 8, 2020 UTC+0 (continued)

21:00–22:00 Session 15B NLP Applications-12

[Short] A Multi-Perspective Architecture for Semantic Code Search
Rajarshi Haldar, Lingfei Wu, JinJun Xiong and Julia Hockenmaier

[Short] Automated Topical Component Extraction Using Neural Network Attention Scores from Source-based Essay Scoring
Haoran Zhang and Diane Litman

[Short] Clinical Concept Linking with Contextualized Neural Representations
Elliot Schumacher, Andriy Mulyar and Mark Dredze

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Mengzhou Xia, Antonios Anastasopoulos, Ruochen Xu, Yiming Yang and Graham Neubig

[Long] ScriptWriter: Narrative-Guided Script Generation
Yutao Zhu, Ruihua Song, Zhicheng Dou, Jian-Yun NIE and Jin Zhou

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Antonios Anastasopoulos and Graham Neubig

[Short] Smart To-Do: Automatic Generation of To-Do Items from Emails
Sudipto Mukherjee, Subhabrata Mukherjee, Marcello Hasegawa, Ahmed Hassan Awadallah and Ryen White

21:00–22:00 Session 15B Phonology, Morphology and Word Segmentation-7

[Long] A Multitask Learning Approach for Diacritic Restoration
Sawsan Alqahtani, Ajay Mishra and Mona Diab

[Long] Frugal Paradigm Completion
Alexander Erdmann, Tom Kenter, Markus Becker and Christian Schallhart

[Long] Improving Chinese Word Segmentation with Wordhood Memory Networks
Yuanhe Tian, Yan Song, Fei Xia, Tong Zhang and Yonggang Wang

[Long] Joint Chinese Word Segmentation and Part-of-speech Tagging via Two-way Attentions of Auto-analyzed Knowledge
Yuanhe Tian, Yan Song, Xiang Ao, Fei Xia, Xiaojun Quan, Tong Zhang and Yonggang Wang

[Long] Joint Diacritization, Lemmatization, Normalization, and Fine-Grained Morphological Tagging
Nasser Zalmout and Nizar Habash

[Long] Phonetic and Visual Priors for Decipherment of Informal Romanization
Maria Ryskina, Matthew R. Gormley and Taylor Berg-Kirkpatrick

[Long] Unsupervised Morphological Paradigm Completion
Huiming Jin, Liwei Cai, Yihui Peng, Chen Xia, Arya McCarthy and Katharina Kann

21:00–22:00 Session 15B Semantics: Sentence Level-11

[Long] Beyond Possession Existence: Duration and Co-Possession
Dhivya Chinnappa, Srikala Murugan and Eduardo Blanco

[Short] Controlled Crowdsourcing for High-Quality QA-SRL Annotation
Paul Roit, Ayal Klein, Daniela Stepanov, Jonathan Mamou, Julian Michael, Gabriel Stanovsky, Luke Zettlemoyer and Ido Dagan

[Long] Don't Stop Pretraining: Adapt Language Models to Domains and Tasks
Suchin Gururangan, Ana Marasović, Swabha Swayamdipta, Kyle Lo, Iz Beltagy, Doug Downey and Noah A. Smith

[Long] Structured Tuning for Semantic Role Labeling
Tao Li, Parth Anand Jawale, Martha Palmer and Vivek Srikumar

[Long] Universal Decompositional Semantic Parsing
Elias Stengel-Eskin, Aaron Steven White, Sheng Zhang and Benjamin Van Durme

21:00–22:00 Session 15B Syntax: Tagging, Chunking and Parsing-6

[TACL] Deep Contextualized Self-training for Low Resource Dependency Parsing
Guy Rotman, Roi Reichart

[Long] Extracting Headless MWEs from Dependency Parse Trees: Parsing, Tagging, and Joint Modeling Approaches
Tianze Shi and Lillian Lee

[Short] Revisiting Higher-Order Dependency Parsers
Erick Fonseca and André F. T. Martins

[Long] SeqVAT: Virtual Adversarial Training for Semi-Supervised Sequence Labeling
Luoxin Chen, Weitong Ruan, Xinyue Liu and Jianhua Lu

[Short] Treebank Embedding Vectors for Out-of-domain Dependency Parsing
Joachim Wagner, James Barry and Jennifer Foster

Wednesday, July 8, 2020 UTC+0 (continued)

21:00–22:00 Session 15B Theme-6

[Long] Automated Evaluation of Writing – 50 Years and Counting
Beata Beigman Klebanov and Nitin Madnani

[Short] Negated and Misprimed Probes for Pretrained Language Models: Birds Can Talk, But Cannot Fly
Nora Kassner and Hinrich Schütze

[Short] On Forgetting to Cite Older Papers: An Analysis of the ACL Anthology
Marcel Bollmann and Desmond Elliott

[Short] Returning the N to NLP: Towards Contextually Personalized Classification Models
Lucie Flek

[Long] The Unstoppable Rise of Computational Linguistics in Deep Learning
James Henderson

[Long] To Boldly Query What No One Has Annotated Before? The Frontiers of Corpus Querying
Markus Gärtner and Kerstin Jung

[Long] To Test Machine Comprehension, Start by Defining Comprehension
Jesse Dunietz, Greg Burnham, Akash Bharadwaj, Owen Rambow, Jennifer Chu-Carroll and Dave Ferrucci

[Long] Gender Gap in Natural Language Processing Research: Disparities in Authorship and Citations
Saif M. Mohammad

21:00–22:00 Session 15B Student Research Workshop

[SRW] #NotAWhore! A Computational Linguistic Perspective of Rape Culture and Victimization on Social Media
Ashima Suvarna and Grusha Bhalla

[SRW] Crossing the Line: Where do Demographic Variables Fit into Humor Detection?
J. A. Meaney

[SRW] Effectively Aligning and Filtering Parallel Corpora under Sparse Data Conditions
Steinþór Steingrímsson, Hrafn Loftsson and Andy Way

[SRW] Exploring the Role of Context to Distinguish Rhetorical and Information-Seeking Questions
Yuan Zhuang and Ellen Riloff

21:30–22:15 Demo Session 5C

[Demo] What's The Latest? A Question-driven News Chatbot
Philippe Laban, John Canny and Marti A. Hearst

[Demo] Torch-Struct: Deep Structured Prediction Library
Alexander Rush