EMNLP-IJCNLP 2019 Poster & Demo Guide
Tuesday, November 5

Poster & Demo Session 1: Information Extraction, Information Retrieval and Document Analysis, Linguistic Theories

Session	Poster/ Demo #	Title	Authors	Note
1E	P1	Leveraging Dependency Forest for Neural Medical Relation Extraction	Linfeng Song, Yue Zhang, Daniel Gildea, Mo Yu, Zhiguo Wang and jinsong su	
1E	P2	Open Relation Extraction: Relational Knowledge Transfer from Supervised Data to Unsupervised Data	Ruidong Wu, Yuan Yao, Xu Han, Ruobing Xie, Zhiyuan Liu, Fen Lin, Leyu Lin and Maosong Sun	
1E	P3	Improving Relation Extraction with Knowledge-attention	Pengfei Li, Kezhi Mao, Xuefeng Yang and Qi Li	
1E	P4	Jointly Learning Entity and Relation Representations for Entity Alignment	Yuting Wu, Xiao Liu, Yansong Feng, Zheng Wang and Dongyan Zhao	
1E	P5	Tackling Long-Tailed Relations and Uncommon Entities in Knowledge Graph Completion	Zihao Wang, Kwunping Lai, Piji Li, Lidong Bing and Wai Lam	
1E	P6	Low-Resource Name Tagging Learned with Weakly Labeled Data	Yixin Cao, Zikun Hu, Tat-seng Chua, Zhiyuan Liu and Heng Ji	
1E	P7	Learning Dynamic Context Augmentation for Global Entity Linking	Xiyuan Yang, Xiaotao Gu, Sheng Lin, Siliang Tang, Yueting Zhuang, Fei Wu, Zhigang Chen, Guoping Hu and Xiang Ren	
1E	P8	Open Event Extraction from Online Text using a Generative Adversarial Network	Rui Wang, Deyu ZHOU and Yulan He	
1E	P9	Learning to Bootstrap for Entity Set Expansion	Lingyong Yan, Xianpei Han, Le Sun and Ben He	
1E	P10	Multi-Input Multi-Output Sequence Labeling for Joint Extraction of Fact and Condition Tuples from Scientific Text	Tianwen Jiang, Tong Zhao, Bing Qin, Ting Liu, Nitesh Chawla and Meng Jiang	
1E	P11	Cross-lingual Structure Transfer for Relation and Event Extraction	Ananya Subburathinam, Di Lu, Heng Ji, Jonathan May, Shih-Fu Chang, Avirup Sil and Clare Voss	

1E	P12	Uncover the Ground-Truth Relations in Distant Supervision: A Neural Expectation-Maximization Framework	Junfan Chen, Richong Zhang, Yongyi Mao, Hongyu Guo and Jie Xu	
1E	P13	Doc2EDAG: An End-to-End Document-level Framework for Chinese Financial Event Extraction	Shun Zheng, Wei Cao, Wei Xu and Jiang Bian	
1E	P14	Event Detection with Trigger-Aware Lattice Neural Network	Ning Ding, Ziran Li, Zhiyuan Liu, Haitao Zheng and Zibo Lin	
1E	P15	A Boundary-aware Neural Model for Nested Named Entity Recognition	Changmeng Zheng, Yi Cai, Jingyun Xu, Ho-fung Leung and Guandong Xu	
1E	P16	Learning the Extraction Order of Multiple Relational Facts in a Sentence with Reinforcement Learning	Xiangrong Zeng, Shizhu He, Daojian Zeng, Kang Liu, Shengping Liu and Jun Zhao	
1E	P17	CaRe: Open Knowledge Graph Embeddings	Swapnil Gupta, Sreyash Kenkre and Partha Talukdar	
1E	P18	Self-Attention Enhanced CNNs and Collaborative Curriculum Learning for Distantly Supervised Relation Extraction	Yuyun Huang and Jinhua Du	
1E	P19	Neural Cross-Lingual Relation Extraction Based on Bilingual Word Embedding Mapping	Jian Ni and Radu Florian	
1E	P20	Leveraging 2-hop Distant Supervision from Table Entity Pairs for Relation Extraction	xiang deng and Huan Sun	
1E	P21	EntEval: A Holistic Evaluation Benchmark for Entity Representations	Mingda Chen, Zewei Chu, Yang Chen, Karl Stratos and Kevin Gimpel	
1E	P22	Joint Event and Temporal Relation Extraction with Shared Representations and Structured Prediction	Rujun Han, Qiang Ning and Nanyun Peng	
1E	P23	Hierarchical Text Classification with Reinforced Label Assignment	Yuning Mao, Jingjing Tian, Jiawei Han and Xiang Ren	
1E	P24	Investigating Capsule Network and Semantic Feature on Hyperplanes for Text Classification	Chunning Du, Haifeng Sun, Jingyu Wang, Qi Qi, Jianxin Liao, Chun Wang and Bing Ma	
1E	P25	Label-Specific Document Representation for Multi-Label Text Classification	Lin Xiao, Xin Huang, Boli Chen and Liping Jing	
1E	P26	Hierarchical Attention Prototypical Networks for Few-Shot Text Classification	Shengli Sun, Qingfeng Sun, Kevin Zhou and Tengchao Lv	
1E	P27	Many Faces of Feature Importance: Comparing Built-in and Post-hoc Feature Importance in Text Classification	Vivian Lai, Zheng Cai and Chenhao Tan	

Session	Poster/Demo #	Title	Authors	Note
1E	P28	Enhancing Local Feature Extraction with Global Representation for Neural Text Classification	Guocheng Niu, Hengru Xu, Bolei He, Xinyan Xiao, Hua Wu and Sheng GAO	
1E	P29	Latent-Variable Generative Models for Data-Efficient Text Classification	Xiaoan Ding and Kevin Gimpel	
1E	P30	PaRe: A Paper-Reviewer Matching Approach Using a Common Topic Space	Omer Anjum, Hongyu Gong, Suma Bhat, Wen-Mei Hwu and JinJun Xiong	
1E	P31	Linking artificial and human neural representations of language	Jon Gauthier and Roger Levy	
1E	D1	OpenNRE: An Open and Extensible Toolkit for Neural Relation Extraction	Xu Han, Tianyu Gao, Yuan Yao, Deming Ye, Zhiyuan Liu and Maosong Sun	
1E	D2	Automatic Taxonomy Induction and Expansion	Nicolas Rodolfo Fauceglia, Alfio Gliozzo, Sarthak Dash, Md. Faisal Mahbub Chowdhury and Nandana Mihindukulasooriya	
1E	D3	Applying BERT to Document Retrieval with Birch	Zeynep Akkalyoncu Yilmaz, Shengjin Wang, Wei Yang, Haotian Zhang and Jimmy Lin	
1E	D4	SEAGLE: A Platform for Comparative Evaluation of Semantic Encoders for Information Retrieval	Fabian David Schmidt, Markus Dietsche, Simone Paolo Ponzetto and Goran Glavaš	
1E	D5	IFlyLegal: A Chinese Legal System for Consultation, Law Searching, and Document Analysis	Ziyue Wang, Baoxin Wang, Xingyi Duan, Dayong Wu, Shijin Wang, Guoping Hu and Ting Liu	
1E	D6	Honkling: In-Browser Personalization for Ubiquitous Keyword Spotting	Jaejun Lee, Raphael Tang and Jimmy Lin	
1E	D7	Redcoat: A Collaborative Annotation Tool for Hierarchical Entity Typing	Michael Stewart, Wei Liu and Rachel Cardell-Oliver	
1E	D8	TellMeWhy: Learning to Explain Corrective Feedback for Second Language Learners	Yi-Huei Lai and Jason Chang	

Poster & Demo Session 2: Machine Translation and Mulitilinguality, Phonology, Morphology and Word Segmentation, Tagging, Chunking, Syntax and Parsing

Session	Poster/Demo #	Title	Authors	Note

2E	P1	Explicit Cross-lingual Pre-training for Unsupervised Machine Translation	Shuo Ren, Yu Wu, Shujie Liu, Ming Zhou and Shuai Ma
2E	P2	Latent Part-of-Speech Sequences for Neural Machine Translation	Xuewen Yang, Yingru Liu, Dongliang Xie, Xin Wang and Niranjan Balasubramanian
2E	P3	Improving Back-Translation with Uncertainty-based Confidence Estimation	Shuo Wang, Yang Liu, Chao Wang, Huanbo Luan and Maosong Sun
2E	P4	Towards Linear Time Neural Machine Translation with Capsule Networks	Mingxuan Wang
2E	P5	Modeling Multi-mapping Relations for Precise Cross-lingual Entity Alignment	Xiaofei Shi and Yanghua Xiao
2E	P6	Supervised and Nonlinear Alignment of Two Embedding Spaces for Dictionary Induction in Low Resourced Languages	Masud Moshtaghi
2E	P7	Beto, Bentz, Becas: The Surprising Cross-Lingual Effectiveness of BERT	Shijie Wu and Mark Dredze
2E	P8	Iterative Dual Domain Adaptation for Neural Machine Translation	Jiali Zeng, Yang Liu, jinsong su, yubing Ge, Yaojie Lu, Yongjing Yin and jiebo luo
2E	P9	Multi-agent Learning for Neural Machine Translation	tianchi bi, hao xiong, Zhongjun He, Hua Wu and Haifeng Wang
2E	P10	Pivot-based Transfer Learning for Neural Machine Translation between Non-English Languages	Yunsu Kim, Petre Petrov, Pavel Petrushkov, Shahram Khadivi and Hermann Ney
2E	P11	Context-Aware Monolingual Repair for Neural Machine Translation	Elena Voita, Rico Sennrich and Ivan Titov
2E	P12	Multi-Granularity Self-Attention for Neural Machine Translation	Jie Hao, Xing Wang, Shuming Shi, Jinfeng Zhang and Zhaopeng Tu
2E	P13	Improving Deep Transformer with Depth-Scaled Initialization and Merged Attention	Biao Zhang, Ivan Titov and Rico Sennrich
2E	P14	A Discriminative Neural Model for Cross-Lingual Word Alignment	Elias Stengel-Eskin, Tzu-ray Su, Matt Post and Benjamin Van Durme
2E	P15	One Model to Learn Both: Zero Pronoun Prediction and Translation	Longyue Wang, Zhaopeng Tu, Xing Wang and Shuming Shi
2E	P16	Dynamic Past and Future for Neural Machine Translation	Zaixiang Zheng, Shujian Huang, Zhaopeng Tu, XIN-YU DAI and Jiajun CHEN

2E	P17	Revisit Automatic Error Detection for Wrong and Missing Translation -- A Supervised Approach	Wenqiang Lei, Weiwen Xu, Ai Ti Aw, Yuanxin Xiang and Tat Seng Chua	
2E	P18	Towards Understanding Neural Machine Translation with Word Importance	Shilin He, Zhaopeng Tu, Xing Wang, Longyue Wang, Michael Lyu and Shuming Shi	
2E	P19	Multilingual Neural Machine Translation with Language Clustering	Xu Tan, Jiale Chen, Di He, Yingce Xia, Tao QIN and Tie-Yan Liu	
2E	P20	Don't Forget the Long Tail! A Comprehensive Analysis of Morphological Generalization in Bilingual Lexicon Induction	Paula Czarnowska, Sebastian Ruder, Edouard Grave, Ryan Cotterell and Ann Copestake	
2E	P21	A Functionalist Account of Vowel System Typology	Ryan Cotterell and Jason Eisner	
2E	P22	Morphological Analysis Using a Sequence Decoder	Ekin Akyürek, Erenay Dayanık and Deniz Yuret	TACL
2E	P23	Cross-Lingual Dependency Parsing Using Code-Mixed TreeBank	Meishan Zhang, Yue Zhang and Guohong Fu	
2E	P24	Hierarchical Pointer Net Parsing	Linlin Liu, Xiang Lin, Shafiq Joty, Simeng Han and Lidong Bing	
2E	P25	Semi-Supervised Semantic Role Labeling with Cross-View Training	Rui Cai and Mirella Lapata	
2E	P26	Low-Resource Sequence Labeling via Unsupervised Multilingual Contextualized Representations	Zuyi Bao, Rui Huang, Chen Li and Kenny Zhu	
2E	P27	A Lexicon-Based Graph Neural Network for Chinese NER	Tao Gui, Yicheng Zou, Qi Zhang, Minlong Peng, Jinlan Fu, Zhongyu Wei and Xuanjing Huang	
2E	P28	CM-Net: A Novel Collaborative Memory Network for Spoken Language Understanding	Yijin Liu, Fandong Meng, Jinchao Zhang, Jie Zhou, Yufeng Chen and Jinan Xu	
2E	P29	Tree Transformer: Integrating Tree Structures into Self-Attention	Yaushian Wang, Hung-Yi Lee and Yun-Nung Chen	
2E	P30	Semantic Role Labeling with Iterative Structure Refinement	Chunchuan Lyu, Shay B. Cohen and Ivan Titov	
2E	P31	Entity Projection via Machine Translation for Cross-Lingual NER	Alankar Jain, Bhargavi Paranjape and Zachary C. Lipton	
2E	P32	A Bayesian Approach for Sequence Tagging with Crowds	Edwin D. Simpson and Iryna Gurevych	
2E	P33	A systematic comparison of methods for low-resource dependency parsing on genuinely low-resource languages	Clara Vania, Yova Kementchedjhieva, Anders Søgaard and Adam Lopez	

2E	P34	Target Language-Aware Constrained Inference for Cross-lingual Dependency Parsing	Tao Meng, Nanyun Peng and Kai-Wei Chang	
2E	P35	Look-up and Adapt: A One-shot Semantic Parser	Zhichu Lu, Forough Arabshahi, Igor Labutov and Tom Mitchell	
2E	P36	Similarity Based Auxiliary Classifier for Named Entity Recognition	Shiyuan Xiao, Yuanxin Ouyang, Wenge Rong, Jianxin Yang and Zhang Xiong	
2E	P37	Variable beam search for generative neural parsing and its relevance for the analysis of neuro-imaging signal	Benoit Crabbé, Murielle Fabre and Christophe Pallier	
2E	P38	Pushing the Limits of Low-Resource Morphological Inflection	Antonios Anastasopoulos and Graham Neubig	
2E	D1	Joey NMT: A Minimalist NMT Toolkit for Novices	Julia Kreutzer, Joost Bastings and Stefan Riezler	
2E	D2	INMT: Interactive Neural Machine Translation Prediction	Sebastin Santy, Sandipan Dandapat, Monojit Choudhury and Kalika Bali	
2E	D4	Multilingual, Multi-scale and Multi-layer Visualization of Intermediate Representations	Carlos Escolano, Marta R. Costa-jussà, Elora Lacroux and Pere-Pau Vázquez	
2E	D5	LINSPECTOR WEB: A Multilingual Probing Suite for Word Representations	Max Eichler, Gözde Gül Şahin and Iryna Gurevych	
2E	D6	MY-AKKHARA: A Romanization-based Burmese (Myanmar) Input Method	Chenchen Ding, Masao Utiyama and Eiichiro Sumita	
2E	D7	A System for Diacritizing Four Varieties of Arabic	Hamdy Mubarak, Ahmed Abdelali, Kareem Darwish, Mohamed Eldesouki, Younes Samih and Hassan Sajjad	
2E	D8	What's Wrong with Hebrew NLP? And How to Make it Right	Reut Tsarfaty, Shoval Sadde, Stav Klein and Amit Seker	

Poster & Demo Session 3: Dialog and Interactive Systems, Machine Translation and Multilinuality, Phonology, Morphology, and Word Segmentation, Speech, Vision, Robotics, Multimodal and Grounding, Tagging, Chunking, Syntax and Parsing

Session	Poster/ Demo #	Title	Authors	Note
3E	P1	Multi-task Learning for Natural Language Generation in Task-Oriented Dialogue	Chenguang Zhu, Michael Zeng and Xuedong Huang	

3E	P2	Dirichlet Latent Variable Hierarchical Recurrent Encoder-Decoder in Dialogue Generation	Min Zeng, Yisen Wang and Yuan Luo	
3E	P3	Semi-Supervised Bootstrapping of Dialogue State Trackers for Task-Oriented Modelling	Bo-Hsiang Tseng, Marek Rei, Paweł Budzianowski, Richard Turner, Bill Byrne and Anna Korhonen	
3E	P4	A Progressive Model to Enable Continual Learning for Semantic Slot Filling	Yilin Shen, Xiangyu Zeng and Hongxia Jin	
3E	P5	CASA-NLU: Context-Aware Self-Attentive Natural Language Understanding for Task-Oriented Chatbots	Arshit Gupta, Peng Zhang, Garima Lalwani and Mona Diab	
3E	P6	Sampling Matters! An Empirical Study of Negative Sampling Strategies for Learning of Matching Models in Retrieval-based Dialogue Systems	Jia Li, Chongyang Tao, wei wu, Yansong Feng, Dongyan Zhao and Rui Yan	
3E	P7	Zero-shot Cross-lingual Dialogue Systems with Transferable Latent Variables	Zihan Liu, Jamin Shin, Yan Xu, Genta Indra Winata, Peng Xu, Andrea Madotto and Pascale Fung	
3E	P8	Modeling Multi-Action Policy for Task-Oriented Dialogues	Lei Shu, Hu Xu, Bing Liu and Piero Molino	
3E	P9	An Evaluation Dataset for Intent Classification and Out-of-Scope Prediction	Stefan Larson, Anish Mahendran, Joseph J. Peper, Christopher Clarke, Andrew Lee, Parker Hill, Jonathan K. Kummerfeld, Kevin Leach, Michael A. Laurenzano, Lingjia Tang and Jason mars	
3E	P10	Automatically Learning Data Augmentation Policies for Dialogue Tasks	Tong Niu and Mohit Bansal	
3E	P11	uniblock: Scoring and Filtering Corpus with Unicode Block Information	Yingbo Gao, Weiyue Wang and Hermann Ney	
3E	P12	Multilingual word translation using auxiliary languages	Hagai Taitelbaum, Gal Chechik and Jacob Goldberger	
3E	P13	Towards Better Modeling Hierarchical Structure for Self-Attention with Ordered Neurons	Jie Hao, Xing Wang, Shuming Shi, Jinfeng Zhang and Zhaopeng Tu	
3E	P14	Speculative Beam Search for Simultaneous Translation	Renjie Zheng, Mingbo Ma, Baigong Zheng and Liang Huang	
3E	P15	Simpler and Faster Learning of Adaptive Policies for Simultaneous Translation	Baigong Zheng, Renjie Zheng, Mingbo Ma and Liang Huang	
3E	P16	Adversarial Learning with Contextual Embeddings for Zero-resource Cross-lingual Classification and NER	Phillip Keung, yichao lu and Vikas Bhardwaj	
3E	P17	Recurrent Positional Embedding for Neural Machine Translation	Kehai Chen, Rui Wang, Masao Utiyama and Eiichiro Sumita	

3E	P18	Machine Translation for Machines: the Sentiment Classification Use Case	amirhossein tebbifakhr, Luisa Bentivogli, Matteo Negri and Marco Turchi
3E	P19	Investigating the Effectiveness of BPE: The Power of Shorter Sequences	Matthias Gallé
3E	P20	HABLex: Human Annotated Bilingual Lexicons for Experiments in Machine Translation	Brian Thompson, Rebecca Knowles, Xuan Zhang, Huda Khayrallah, Kevin Duh and Philipp Koehn
3E	P21	Handling Syntactic Divergence in Low-resource Machine Translation	Chunting Zhou, Xuezhe Ma, Junjie Hu and Graham Neubig
3E	P22	Vecalign: Improved Sentence Alignment in Linear Time and Space	Brian Thompson and Philipp Koehn
3E	P23	Self-Attention with Structural Position Representations	Xing Wang, Zhaopeng Tu, Longyue Wang and Shuming Shi
3E	P24	Exploiting Multilingualism through Multistage Fine-Tuning for Low-Resource Neural Machine Translation	Raj Dabre, Atsushi Fujita and Chenhui Chu
3E	P25	Unsupervised Domain Adaptation for Neural Machine Translation with Domain-Aware Feature Embeddings	Zi-Yi Dou, Junjie Hu, Antonios Anastasopoulos and Graham Neubig
3E	P26	A Regularization-based Framework for Bilingual Grammar Induction	Yong Jiang, Wenjuan Han and Kewei Tu
3E	P27	Encoders Help You Disambiguate Word Senses in Neural Machine Translation	Gongbo Tang, Rico Sennrich and Joakim Nivre
3E	P28	Korean Morphological Analysis with Tied Sequence-to-Sequence Multi-Task Model	Hyun-Je Song and Seong-Bae Park
3E	P29	Efficient Convolutional Neural Networks for Diacritic Restoration	Sawsan Alqahtani, Ajay Mishra and Mona Diab
3E	P30	Improving Generative Visual Dialog by Answering Diverse Questions	Vishvak Murahari, Prithvijit Chattopadhyay, Dhruv Batra, Devi Parikh and Abhishek Das
3E	P31	Cross-lingual Transfer Learning with Data Selection for Large-Scale Spoken Language Understanding	Quynh Do and Judith Gaspers
3E	P32	Multi-Head Attention with Diversity for Learning Grounded Multilingual Multimodal Representations	Po-Yao Huang, Xiaojun Chang and Alexander Hauptmann
3E	P33	Decoupled Box Proposal and Featurization with Ultrafine-Grained Semantic Labels Improve Image Captioning and Visual Question Answering	Soravit Changpinyo, Bo Pang, Piyush Sharma and Radu Soricut

3E	P34	REO-Relevance, Extraness, Omission: A Fine-grained Evaluation for Image Captioning	Ming Jiang, Junjie Hu, Qiuyuan Huang, Lei Zhang, Jana Diesner and Jianfeng Gao	
3E	P35	WSLLN:Weakly Supervised Natural Language Localization Networks	Mingfei Gao, Larry Davis, Richard Socher and Caiming Xiong	
3E	P36	Grounding learning of modifier dynamics: An application to color naming	Xudong Han, Philip Schulz and Trevor Cohn	
3E	P37	Robust Navigation with Language Pretraining and Stochastic Sampling	Xiujun Li, Chunyuan Li, Qiaolin Xia, Yonatan Bisk, Asli Celikyilmaz, Jianfeng Gao, Noah A. Smith and Yejin Choi	
3E	P38	Towards Making a Dependency Parser See	Michalina Strzyz, David Vilares and Carlos Gómez-Rodríguez	
3E	P39	Unsupervised Labeled Parsing with Deep Inside-Outside Recursive Autoencoders	Andrew Drozdov, Patrick Verga, Yi-Pei Chen, Mohit Iyyer and Andrew McCallum	
3E	P40	Dependency Parsing for Spoken Dialog Systems	Sam Davidson, Dian Yu and Zhou Yu	
3E	P41	Span-based Hierarchical Semantic Parsing for Task-Oriented Dialog	Panupong Pasupat, Sonal Gupta, Karishma Mandyam, Rushin Shah, Mike Lewis and Luke Zettlemoyer	

Poster & Demo Session 4: Dialog and Interactive Systems, Speech, Vision, Robotics, Multimodal and Grounding

Session	Poster/ Demo #	Title	Authors	Note
4E	P1	Data-Efficient Goal-Oriented Conversation with Dialogue Knowledge Transfer Networks	Igor Shalyminov, Sungjin Lee, Arash Eshghi and Oliver Lemon	
4E	P2	Multi-Granularity Representations of Dialog	Shikib Mehri and Maxine Eskenazi	
4E	P3	Are You for Real? Detecting Identity Fraud via Dialogue Interactions	Weikang Wang, Jiajun Zhang, Qian Li, Chengqing Zong and Zhifei Li	
4E	P4	Hierarchy Response Learning for Neural Conversation Generation	Bo Zhang and Xiaoming Zhang	
4E	P5	Knowledge Aware Conversation Generation with Explainable Reasoning over Augmented Graphs	zhibin liu, Zheng-Yu Niu, Hua Wu and Haifeng Wang	

4E	P6	Adaptive Parameterization for Neural Dialogue Generation	Hengyi Cai, Hongshen Chen, Cheng Zhang, Yonghao Song, Xiaofang Zhao and Dawei Yin	
4E	P7	Towards Knowledge-Based Recommender Dialog System	Qibin Chen, Junyang Lin, Yichang Zhang, Ming Ding, Yukuo Cen, Hongxia Yang and Jie Tang	
4E	P8	Structuring Latent Spaces for Stylized Response Generation	Xiang Gao, Yizhe Zhang, Sungjin Lee, Michel Galley, Chris Brockett, Jianfeng Gao and Bill Dolan	
4E	P9	Improving Open-Domain Dialogue Systems via Multi-Turn Incomplete Utterance Restoration	Zhufeng Pan, Kun Bai, Yan Wang, Lianqiang Zhou and Xiaojiang Liu	
4E	P10	Unsupervised Context Rewriting for Open Domain Conversation	Kun Zhou, Kai Zhang, Yu Wu, Shujie Liu and Jingsong Yu	
4E	P11	Dually Interactive Matching Network for Personalized Response Selection in Retrieval-Based Chatbots	Jia-Chen Gu, Zhen-Hua Ling, Xiaodan Zhu and Quan Liu	
4E	P12	DyKgChat: Benchmarking Dialogue Generation Grounding on Dynamic Knowledge Graphs	Yi-Lin Tuan, Yun-Nung Chen and Hung-yi Lee	
4E	P13	Retrieval-guided Dialogue Response Generation via a Matching-to-Generation Framework	Deng Cai, Yan Wang, Wei Bi, Zhaopeng Tu, Xiaojiang Liu and Shuming Shi	
4E	P14	Scalable and Accurate Dialogue State Tracking via Hierarchical Sequence Generation	Liliang Ren, Jianmo Ni and Julian McAuley	
4E	P15	Low-Resource Response Generation with Template Prior	Ze Yang, wei wu, Jian Yang, Can Xu and zhoujun li	
4E	P16	A Discrete CVAE for Response Generation on Short-Text Conversation	Jun Gao, Wei Bi, Xiaojiang Liu, Junhui Li, Guodong Zhou and Shuming Shi	
4E	P17	Who Is Speaking to Whom? Learning to Identify Utterance Addressee in Multi-Party Conversations	Ran Le, Wenpeng Hu, Mingyue Shang, Zhenjun You, Lidong Bing, Dongyan Zhao and Rui Yan	
4E	P18	A Semi-Supervised Stable Variational Network for Promoting Replier-Consistency in Dialogue Generation	Jinxin Chang, Ruifang He, Longbiao Wang, Xiangyu Zhao, Ting Yang and Ruifang Wang	
4E	P19	Modeling Personalization in Continuous Space for Response Generation via Augmented Wasserstein Autoencoders	Zhangming Chan, Juntao Li, Xiaopeng Yang, Xiuying Chen, Wenpeng Hu, Dongyan Zhao and Rui Yan	
4E	P20	Variational Hierarchical User-based Conversation Model	JinYeong Bak and Alice Oh	
4E	P21	Recommendation as a Communication Game: Self-Supervised Bot-Play for Goal-oriented Dialogue	Dongyeop Kang, Anusha Balakrishnan, Pararth Shah, Paul Crook, Y-Lan Boureau and Jason Weston	

4E	P22	CoSQL: A Conversational Text-to-SQL Challenge Towards Cross-Domain Natural Language Interfaces to Databases	Tao Yu, Rui Zhang, Heyang Er, Suyi Li, Eric Xue, Bo Pang, Xi Victoria Lin, Yi Chern Tan, Tianze Shi, Zihan Li, Youxuan Jiang, Michihiro Yasunaga, Sungrok Shim, Tao Chen, Alexander Fabbri, Zifan Li, Luyao Chen, Yuwen Zhang, Shreya Dixit, Vincent Zhang, Caiming Xiong, Richard Socher, Walter Lasecki and Dragomir Radev	
4E	P23	A Practical Dialogue-Act-Driven Conversation Model for Multi-Turn Response Selection	Harshit Kumar, Arvind Agarwal and Sachindra Joshi	
4E	P24	How to Build User Simulators to Train RL-based Dialog Systems	Weiyan Shi, Kun Qian, Xuewei Wang and Zhou Yu	
4E	P25	Graph Convolutional Network with Sequential Attention for Goal-Oriented Dialogue Systems	Suman Banerjee and Mitesh M. Khapra	TACL
4E	P26	Low-Rank HOCA: Efficient High-Order Cross-Modal Attention for Video Captioning	Tao Jin, Siyu Huang, Yingming Li and Zhongfei Zhang	
4E	P27	Image Captioning with Very Scarce Supervised Data: Adversarial Semi-Supervised Learning Approach	Dong-Jin Kim, Jinsoo Choi, Tae-Hyun Oh and In So Kweon	
4E	P28	Dual Attention Networks for Visual Reference Resolution in Visual Dialog	Gi-Cheon Kang, Jaeseo Lim and Byoung-Tak Zhang	
4E	P29	Unsupervised Discovery of Multimodal Links in Multi-image, Multi-sentence Documents	Jack Hessel, Lillian Lee and David Mimno	
4E	P30	UR-FUNNY: A Multimodal Language Dataset for Understanding Humor	Md Kamrul Hasan, Wasifur Rahman, AmirAli Bagher Zadeh, Jianyuan Zhong, Md Iftekhar Tanveer, Louis-Philippe Morency and Mohammed (Ehsan) Hoque	
4E	P31	Partners in Crime: Multi-view Sequential Inference for Movie Understanding	Nikos Papasarantopoulos, Lea Frermann, Mirella Lapata and Shay B. Cohen	
4E	P32	Guiding the Flowing of Semantics: Interpretable Video Captioning via POS Tag	Xinyu Xiao, Lingfeng Wang, Bin Fan, Shinming Xiang and Chunhong Pan	
4E	P33	A Stack-Propagation Framework with Token-Level Intent Detection for Spoken Language Understanding	Libo Qin, Wanxiang Che, Yangming Li, Haoyang Wen and Ting Liu	
4E	P34	Talk2Car: Taking Control of Your Self-Driving Car	Thierry Deruyttere, Simon Vandenhende, Dusan Grujicic, Luc Van Gool and Marie-Francine Moens	
4E	P35	Fact-Checking Meets Fauxtography: Verifying Claims About Images	Dimitrina Zlatkova, Preslav Nakov and Ivan Koychev	

4E	P36	Video Dialog via Progressive Inference and Cross-Transformer	Weike Jin, Zhou Zhao, Mao Gu, Jun Xiao, Furu Wei and Yueting Zhuang	
4E	P37	Executing Instructions in Situated Collaborative Interactions	Alane Suhr, Claudia Yan, Jack Schluger, Stanley Yu, Hadi Khader, Marwa Mouallem, Iris Zhang and Yoav Artzi	
4E	P38	Fusion of Detected Objects in Text for Visual Question Answering	Chris Alberti, Jeffrey Ling, Michael Collins and David Reitter	
4E	P39	TIGEr: Text-to-Image Grounding for Image Caption Evaluation	Ming Jiang, Qiuyuan Huang, Lei Zhang, Xin Wang, Pengchuan Zhang, Zhe Gan, Jana Diesner and Jianfeng Gao	
4E	D1	LIDA: Lightweight Interactive Dialogue Annotator	Edward Collins, Nikolai Rozanov and Bingbing Zhang	
4E	D2	HARE: a Flexible Highlighting Annotator for Ranking and Exploration	Denis Newman-Griffis and Eric Fosler-Lussier	
4E	D3	Chameleon: A Language Model Adaptation Toolkit for Automatic Speech Recognition of Conversational Speech	Yuanfeng Song, Di Jiang, Weiwei Zhao, Qian Xu, Raymond Chi-Wing Wong and Qiang Yang	
4E	D4	PyOpenDial: A Python-based Domain-Independent Toolkit for Developing Spoken Dialogue Systems with Probabilistic Rules	Youngsoo Jang, Jongmin Lee, Jaeyoung Park, Kyeng-Hun Lee, Pierre Lison and Kee-Eung Kim	
4E	D5	PolyResponse: A Rank-based Approach to Task-Oriented Dialogue with Application in Restaurant Search and Booking	Matthew Henderson, Ivan Vulić, Iñigo Casanueva, Paweł Budzianowski, Daniela Gerz, Sam Coope, Georgios Spithourakis, Tsung-Hsien Wen, Nikola Mrkšić and Pei-Hao Su	
4E	D6	EGG: a toolkit for research on Emergence of lanGuage in Games	Eugene Kharitonov, Rahma Chaabouni, Diane Bouchacourt and Marco Baroni	
4E	D7	Entity resolution for noisy ASR transcripts	Arushi Raghuvanshi, Vijay Ramakrishnan, Varsha Embar, Lucien Carroll and Karthik Raghunathan	
4E	D8	Gunrock: A Social Bot for Complex and Engaging Long Conversations	Dian Yu, Michelle Cohn, Yi Mang Yang, Chun Yen Chen, Weiming Wen, Jiaping Zhang, Mingyang Zhou, Kevin Jesse, Austin Chau, Antara Bhowmick, Shreenath Iyer, Giritheja Sreenivasulu, Sam Davidson, Ashwin Bhandare and Zhou Yu	

Poster & Demo Session 5: Question Answering, Textual Inference and Other Areas of Semantics

Session	Poster/ Demo #	Title	Authors	Note
5E	P1	Tree-structured Decoding for Solving Math Word Problems	Qianying Liu, Wenyv Guan, Sujian Li and Daisuke Kawahara	
5E	P2	PullNet: Open Domain Question Answering with Iterative Retrieval on Knowledge Bases and Text	Haitian Sun, Tania Bedrax-Weiss and William Cohen	
5E	P3	Cosmos QA: Machine Reading Comprehension with Contextual Commonsense Reasoning	Lifu Huang, Ronan Le Bras, Chandra Bhagavatula and Yejin Choi	
5E	P4	Finding Generalizable Evidence by Learning to Convince Q&A Models	Ethan Perez, Siddharth Karamcheti, Rob Fergus, Jason Weston, Douwe Kiela and Kyunghyun Cho	
5E	P5	Ranking and Sampling in Open-Domain Question Answering	Yanfu Xu, Zheng Lin, Yuanxin Liu, Rui Liu, Weiping Wang and Dan Meng	
5E	P6	A Non-commutative Bilinear Model for Answering Path Queries in Knowledge Graphs	Katsuhiko Hayashi and Masashi Shimbo	
5E	P7	Generating Questions for Knowledge Bases via Incorporating Diversified Contexts and Answer-Aware Loss	Cao Liu, Kang Liu, Shizhu He, Zaiqing Nie and Jun Zhao	
5E	P8	Multi-Task Learning for Conversational Question Answering over a Large-Scale Knowledge Base	Tao Shen, Xiubo Geng, Tao QIN, Daya Guo, Duyu Tang, Nan Duan, Guodong Long and Daxin Jiang	
5E	P9	BiPaR: A Bilingual Parallel Dataset for Multilingual and Cross-lingual Reading Comprehension on Novels	Yimin Jing, Deyi Xiong and Zhen Yan	
5E	P10	Language Models as Knowledge Bases?	Fabio Petroni, Tim Rocktäschel, Sebastian Riedel, Patrick Lewis, Anton Bakhtin, Yuxiang Wu and Alexander Miller	
5E	P11	NumNet: Machine Reading Comprehension with Numerical Reasoning	Qiu Ran, Yankai Lin, Peng Li, Jie Zhou and Zhiyuan Liu	

5E	P12	Unicoder: A Universal Language Encoder by Pre-training with Multiple Cross-lingual Tasks	Haoyang Huang, Yaobo Liang, Nan Duan, Ming Gong, Linjun Shou, Daxin Jiang and Ming Zhou	
5E	P13	Addressing Semantic Drift in Question Generation for Semi-Supervised Question Answering	Shiyue Zhang and Mohit Bansal	
5E	P14	Adversarial Domain Adaptation for Machine Reading Comprehension	Huazheng Wang, Zhe Gan, Xiaodong Liu, Jingjing Liu, Jianfeng Gao and Hongning Wang	
5E	P15	Incorporating External Knowledge into Machine Reading for Generative Question Answering	Bin Bi, Chen Wu, Ming Yan, Wei Wang, Jiangnan Xia and Chenliang Li	
5E	P16	Answering questions by learning to rank - Learning to rank by answering questions	George Sebastian Pirtoaca, Traian Rebedea and Stefan Ruseti	
5E	P17	Discourse-Aware Semantic Self-Attention for Narrative Reading Comprehension	Todor Mihaylov and Anette Frank	
5E	P18	Revealing the Importance of Semantic Retrieval for Machine Reading at Scale	Yixin Nie, Songhe Wang and Mohit Bansal	
5E	P19	Quick and (not so) Dirty: Unsupervised Selection of Justification Sentences for Multi-hop Question Answering	Vikas Yadav, Steven Bethard and Mihai Surdeanu	
5E	P20	Answering Complex Open-domain Questions Through Iterative Query Generation	Peng Qi, Xiaowen Lin, Leo Mehr, Zijian Wang and Christopher D. Manning	
5E	P21	NL2pSQL: Generating Pseudo-SQL Queries from Under-Specified Natural Language Questions	Fuxiang Chen, Seung-won Hwang, Jaegul Choo, Jung-Woo Ha and Sunghun Kim	
5E	P22	Leveraging Frequent Query Substructures to Generate Formal Queries for Complex Question Answering	Jiwei Ding, Wei Hu, Qixin Xu and Yuzhong Qu	
5E	P23	Incorporating Graph Attention Mechanism into Knowledge Graph Reasoning Based on Deep Reinforcement Learning	Heng Wang, Shuangyin Li, Rong Pan and Mingzhi Mao	
5E	P24	Learning to Update Knowledge Graphs by Reading News	Jizhi Tang, Yansong Feng and Dongyan Zhao	
5E	P25	DIVINE: A Generative Adversarial Imitation Learning Framework for Knowledge Graph Reasoning	Ruiping Li and Xiang Cheng	
5E	P26	Original Semantics-Oriented Attention and Deep Fusion Network for Sentence Matching	Mingtong Liu, Yujie Zhang, Jinan Xu and Yufeng Chen	
5E	P27	Representation Learning with Ordered Relation Paths for Knowledge Graph Completion	Yao Zhu, Hongzhi Liu, Zhonghai Wu, Yang Song and Tao Zhang	

Session	Poster/ Demo #	Title	Authors	Note
5E	P28	Collaborative Policy Learning for Open Knowledge Graph Reasoning	Cong Fu, Tong Chen, Meng Qu, Woojeong Jin and Xiang Ren	
5E	P29	Modeling Event Background for If-Then Commonsense Reasoning Using Context-aware Variational Autoencoder	Li Du, Xiao Ding, Ting Liu and Zhongyang Li	
5E	P30	Asynchronous Deep Interaction Network for Natural Language Inference	Di Liang, Fubao Zhang, Qi Zhang and Xuanjing Huang	
5E	P31	Keep Calm and Switch On! Preserving Sentiment and Fluency in Semantic Text Exchange	Steven Y. Feng, Aaron W. Li and Jesse Hoey	
5E	P32	Query-focused Scenario Construction	Su Wang, Greg Durrett and Katrin Erk	
5E	P33	Semi-supervised Entity Alignment via Joint Knowledge Embedding Model and Cross-graph Model	Chengjiang Li, Yixin Cao, Lei Hou, Jiaxin Shi, Juanzi Li and Tat-Seng Chua	
5E	P34	PubMedQA: A Dataset for Biomedical Research Question Answering	Qiao Jin, Bhuwan Dhingra, Zhengping Liu, William Cohen and Xinghua Lu	
5E	D3	CFO: A Framework for Building Production NLP Systems	Rishav Chakravarti, Cezar Pendus, Andrzej Sakrajda, Anthony Ferritto, Lin Pan, Michael Glass, Vittorio Castelli, J William Murdock, Radu Florian, Salim Roukos and Avi Sil	
5E	D4	ABSApp: A Portable Weakly-Supervised Aspect-Based Sentiment Extraction System	Oren Pereg, Daniel Korat, Moshe Wasserblat, Jonathan Mamou and Ido Dagan	
5E	D5	Memory Grounded Conversational Reasoning	Seungwhan Moon, Pararth Shah, Rajen Subba and Anuj Kumar	
5E	D7	EUSP: An Easy-to-Use Semantic Parsing PlatForm	Bo An, Chen Bo, Xianpei Han and Le Sun	
5E	D8	ParaQG: A System for Generating Questions and Answers from Paragraphs	Vishwajeet Kumar, Sivaanandh Muneeswaran, Ganesh Ramakrishnan and Yuan-Fang Li	

Poster & Demo Session 6: Discourse and Pragmatics, Summarization and Generation

Session	Poster/ Demo #	Title	Authors	Note

6E	P1	Evaluating Pronominal Anaphora in Machine Translation: An Evaluation Measure and a Test Suite	Prathyusha Jwalapuram, Shafiq Joty, Irina Temnikova and Preslav Nakov	
6E	P2	Weakly Supervised Multilingual Causality Extraction from Wikipedia	Chikara Hashimoto	
6E	P3	Attribute-aware Sequence Network for Review Summarization	Junjie Li, Xuepeng Wang, Dawei Yin and Chengqing Zong	
6E	P4	Extractive Summarization of Long Documents by Combining Global and Local Context	Wen Xiao and Giuseppe Carenini	
6E	P5	Enhancing Neural Data-To-Text Generation Models with External Background Knowledge	Shuang Chen, Jinpeng Wang, Xiaocheng Feng, Feng Jiang, Bing Qin and Chin-Yew Lin	
6E	P6	Reading Like HER: Human Reading Inspired Extractive Summarization	Ling Luo, Xiang Ao, Yan Song, Feiyang Pan, Min Yang and Qing He	
6E	P7	Contrastive Attention Mechanism for Abstractive Sentence Summarization	Xiangyu Duan, Hongfei Yu, Mingming Yin, Min Zhang, Weihua Luo and Yue Zhang	
6E	P8	NCLS: Neural Cross-Lingual Summarization	Junnan Zhu, Qian Wang, Yining Wang, Yu Zhou, Jiajun Zhang, Shaonan Wang and Chengqing Zong	
6E	P9	Clickbait? Sensational Headline Generation with Auto-tuned Reinforcement Learning	Peng Xu, Chien-Sheng Wu, Andrea Madotto and Pascale Fung	
6E	P10	Concept Pointer Network for Abstractive Summarization	Wenbo Wang, Yang Gao, Heyan Huang and Yuxiang Zhou	
6E	P11	Surface Realisation Using Full Delexicalisation	Anastasia Shimorina and Claire Gardent	
6E	P12	IMaT: Unsupervised Text Attribute Transfer via Iterative Matching and Translation	Zhijing Jin, Di Jin, Jonas Mueller, Nicholas Matthews and Enrico Santus	
6E	P13	Better Rewards Yield Better Summaries: Learning to Summarise Without References	Florian Böhm, Yang Gao, Christian M. Meyer, Ori Shapira, Ido Dagan and Iryna Gurevych	
6E	P14	Mixture Content Selection for Diverse Sequence Generation	Jaemin Cho, Minjoon Seo and Hannaneh Hajishirzi	
6E	P15	An End-to-End Generative Architecture for Paraphrase Generation	Qian Yang, zhouyuan huo, Dinghan Shen, Yong Cheng, Wenlin Wang, Guoyin Wang and Lawrence Carin	
6E	P16	Table-to-Text Generation with Effective Hierarchical Encoder on Three Dimensions (Row, Column and Time)	Heng Gong, Xiaocheng Feng, Bing Qin and Ting Liu	
6E	P17	Subtopic-driven Multi-Document Summarization	Xin Zheng, Aixin Sun, Jing Li and Karthik Muthuswamy	
6E	P18	Referring Expression Generation Using Entity Profiles	Meng Cao and Jackie Chi Kit Cheung	
6E	P19	Exploring Diverse Expressions for Paraphrase Generation	Lihua Qian, Lin Qiu, Weinan Zhang, Xin Jiang and Yong Yu	

6E	P20	Enhancing AMR-to-Text Generation with Dual Graph Representations	Leonardo F. R. Ribeiro, Claire Gardent and Iryna Gurevych
6E	P21	Toward a Task of Feedback Comment Generation for Writing Learning	Ryo Nagata
6E	P22	Improving Question Generation With to the Point Context	Jingjing Li, Yifan Gao, Lidong Bing, Irwin King and Michael R. Lyu
6E	P23	Deep Copycat Networks for Text-to-Text Generation	Julia Ive, Pranava Madhyastha and Lucia Specia
6E	P24	Towards Controllable and Personalized Review Generation	Pan Li and Alexander Tuzhilin
6E	P25	Answers Unite! Unsupervised Metrics for Reinforced Summarization Models	Thomas Scialom, Sylvain Lamprier, Benjamin Piwowarski and Jacopo Staiano
6E	P26	Long and Diverse Text Generation with Planning-based Hierarchical Variational Model	Zhihong Shao, Minlie Huang, Jiangtao Wen, Wenfei Xu and xiaoyan zhu
6E	P27	Transforming Delete, Retrieve, Generate Approach for Controlled Text Style Transfer	Akhilesh Sudhakar, Bhargav Upadhyay and Arjun Maheswaran
6E	P28	An Entity-Driven Framework for Abstractive Summarization	Eva Sharma, Luyang Huang, Zhe Hu and Lu Wang
6E	P29	Neural Extractive Text Summarization with Syntactic Compression	Jiacheng Xu and Greg Durrett
6E	P30	Domain Adaptive Text Style Transfer	Dianqi Li, Yizhe Zhang, Zhe Gan, Yu Cheng, Chris Brockett, Bill Dolan and Ming-Ting Sun
6E	P31	Let's Ask Again: Refine Network for Automatic Question Generation	Preksha Nema, Akash Kumar Mohankumar, Mitesh M. Khapra, Balaji Vasan Srinivasan and Balaraman Ravindran
6E	P32	Earlier Isn't Always Better: Sub-aspect Analysis on Corpus and System Biases in Summarization	Taehee Jung, Dongyeop Kang, Lucas Mentch and Eduard Hovy
6E	P33	A Regularization Approach for Incorporating Event Knowledge and Coreference Relations into Neural Discourse Parsing	Zeyu Dai and Ruihong Huang
6E	P34	Keeping Consistency of Sentence Generation and Document Classification with Multi-Task Learning	Toru Nishino, Shotaro Misawa, Ryuji Kano, Tomoki Taniguchi, Yasuhide Miura and Tomoko Ohkuma
6E	D3	VizSeq: a visual analysis toolkit for text generation tasks	Changhan Wang, Anirudh Jain, Danlu Chen and Jiatao Gu
6E	D4	EASSE: Easier Automatic Sentence Simplification Evaluation	Fernando Alva-Manchego, Louis Martin, Carolina Scarton and Lucia Specia

Session	Poster/Demo #	Title	Authors	Note
6E	D5	ALTER: Auxiliary Text Rewriting Tool for Natural Language Generation	Qiongkai Xu, Chenchen Xu and Lizhen Qu	
6E	D7	FAMULUS: Interactive Annotation and Feedback Generation for Teaching Diagnostic Reasoning	Jonas Pfeiffer, Christian M. Meyer, Claudia Schulz, Jan Kiesewetter, Jan Zottmann, Michael Sailer, Elisabeth Bauer, Frank Fischer, Martin R. Fischer and Iryna Gurevych	
6E	D8	A Summarization System for Scientific Documents	Shai Erera, Michal Shmueli-Scheuer, Guy Feigenblat, Ora Peled Nakash, Odellia Boni, Haggai Roitman, Doron Cohen, Bar Weiner, Yosi Mass, Or Rivlin, Guy Lev, Achiya Jerbi, Jonathan Herzig, Yufang Hou, Charles Jochim, Martin Gleize, Francesca Bonin, and David Konopnicki	

Poster & Demo Session 7: Information Retrieval and Document Analysis, Lexical Semantics, Sentence-level Semantics, Machine Learning

Session	Poster/Demo #	Title	Authors	Note
7E	P1	A Label Informative Wide & Deep Classifier for Patents and Papers	Muyao Niu and Jie Cai	
7E	P2	Text Level Graph Neural Network for Text Classification	Lianzhe Huang, Dehong Ma, Sujian Li, Xiaodong Zhang and Houfeng WANG	
7E	P3	Semantic Relatedness Based Re-ranker for Text Spotting	Ahmed Sabir, Francesc Moreno and Lluís Padró	
7E	P4	Delta-training: Simple Semi-Supervised Text Classification using Pretrained Word Embeddings	Hwiyeol Jo and Ceyda Cinarel	
7E	P5	Visual Detection with Context for Document Layout Analysis	Carlos Soto and Shinjae Yoo	
7E	P6	Evaluating Topic Quality with Posterior Variability	Linzi Xing, Michael J. Paul and Giuseppe Carenini	
7E	P7	Neural Topic Model with Reinforcement Learning	Lin Gui, Jia Leng, Gabriele Pergola, yu zhou, Ruifeng Xu and Yulan He	

7E	P8	Modelling Stopping Criteria for Search Results using Poisson Processes	Alison Sneyd and Mark Stevenson	
7E	P9	Cross-Domain Modeling of Sentence-Level Evidence for Document Retrieval	Zeynep Akkalyoncu Yilmaz, Wei Yang, Haotian Zhang and Jimmy Lin	
7E	P10	The Challenges of Optimizing Machine Translation for Low Resource Cross-Language Information Retrieval	Constantine Lignos, Daniel Cohen, Yen-Chieh Lien, Pratik Mehta, W. Bruce Croft and Scott Miller	
7E	P11	Rotate King to get Queen: Word Relationships as Orthogonal Transformations in Embedding Space	Kawin Ethayarajh	
7E	P12	GlossBERT: BERT for Word Sense Disambiguation with Gloss Knowledge	Luyao Huang, Chi Sun, Xipeng Qiu and Xuanjing Huang	
7E	P13	Leveraging Adjective-Noun Phrasing Knowledge for Comparison Relation Prediction in Text-to-SQL	Haoyan Liu, Lei Fang, Qian Liu, Bei Chen, Jian-Guang LOU and Zhoujun Li	
7E	P14	Bridging the Defined and the Defining: Exploiting Implicit Lexical Semantic Relations in Definition Modeling	Koki Washio, Satoshi Sekine and Tsuneaki Kato	
7E	P15	Don't Just Scratch the Surface: Enhancing Word Representations for Korean with Hanja	Kang Min Yoo, Taeuk Kim and Sang-goo Lee	
7E	P16	SyntagNet: Challenging Supervised Word Sense Disambiguation with Lexical-Semantic Combinations	Marco Maru, Federico Scozzafava, Federico Martelli and Roberto Navigli	
7E	P17	Hierarchical Meta-Embeddings for Code-Switching Named Entity Recognition	Genta Indra Winata, Zhaojiang Lin, Jamin Shin, Zihan Liu and Pascale Fung	
7E	P18	Fine-tune BERT with Sparse Self-Attention Mechanism	Baiyun Cui, Yingming Li, Ming Chen and Zhongfei Zhang	
7E	P19	Feature-Dependent Confusion Matrices for Low-Resource NER Labeling with Noisy Labels	Lukas Lange, Michael A. Hedderich and Dietrich Klakow	
7E	P20	A Multi-Pairwise Extension of Procrustes Analysis for Multilingual Word Translation	Hagai Taitelbaum, Gal Chechik and Jacob Goldberger	
7E	P21	Out-of-Domain Detection for Low-Resource Text Classification Tasks	Ming Tan, Yang Yu, Haoyu Wang, Dakuo Wang, Saloni Potdar, Shiyu Chang and Mo Yu	
7E	P22	Harnessing Pre-Trained Neural Networks with Rules for Formality Style Transfer	Yunli Wang, Yu Wu, Lili Mou, Zhoujun Li and Wenhan Chao	
7E	P23	Multiple Text Style Transfer by using Word-level Conditional Generative Adversarial Network with Two-Phase Training	Chih-Te Lai, Yi-Te Hong, Hong-You Chen, Chi-Jen Lu and Shou-De Lin	

7E	P24	Improved Differentiable Architecture Search for Language Modeling and Named Entity Recognition	Yufan Jiang, Chi Hu, Tong Xiao, Chunliang Zhang and Jingbo Zhu	
7E	P25	Using Pairwise Occurrence Information to Improve Knowledge Graph Completion on Large-Scale Datasets	Esma Balkir, Masha Naslidnyk, Dave Palfrey and Arpit Mittal	
7E	P26	A Surprisingly Effective Fix for Deep Latent Variable Modeling of Text	Bohan Li, Junxian He, Graham Neubig, Taylor Berg-Kirkpatrick and Yiming Yang	
7E	P27	Humor Detection: A Transformer Gets the Last Laugh	Orion Weller and Kevin Seppi	
7E	P28	Combining Global Sparse Gradients with Local Gradients in Distributed Neural Network Training	Alham Fikri Aji, Kenneth Heafield and Nikolay Bogoychev	
7E	P29	Small and Practical BERT Models for Sequence Labeling	Henry Tsai, Jason Riesa, Melvin Johnson, Naveen Arivazhagan, Xin Li and Amelia Archer	
7E	P30	Data Augmentation with Atomic Templates for Spoken Language Understanding	Zijian Zhao, Su Zhu and Kai Yu	
7E	P31	PaLM: A Hybrid Parser and Language Model	Hao Peng, Roy Schwartz and Noah A. Smith	
7E	P32	A Pilot Study for Chinese SQL Semantic Parsing	Qingkai Min, Yuefeng Shi and Yue Zhang	
7E	P33	Global Reasoning over Database Structures for Text-to-SQL Parsing	Ben Bogin, Matt Gardner and Jonathan Berant	
7E	P34	Transductive Learning of Neural Language Models for Syntactic and Semantic Analysis	Hiroki Ouchi, Jun Suzuki and Kentaro Inui	
7E	P35	Efficient Sentence Embedding using Discrete Cosine Transform	Nada Almarwani, Hanan Aldarmaki and Mona Diab	
7E	P36	A Search-based Neural Model for Biomedical Nested and Overlapping Event Detection	Kurt Junshean Espinosa, Makoto Miwa and Sophia Ananiadou	
7E	P37	PAWS-X: A Cross-lingual Adversarial Dataset for Paraphrase Identification	Yinfei Yang, Yuan Zhang, Chris Tar and Jason Baldridge	
7E	P38	Pretrained Language Models for Sequential Sentence Classification	Arman Cohan, Iz Beltagy, Daniel King, Bhavana Dalvi and Dan Weld	
7E	P39	Emergent Linguistic Phenomena in Multi-Agent Communication Games	Laura Harding Graesser, Kyunghyun Cho and Douwe Kiela	
7E	P40	TalkDown: A Corpus for Condescension Detection in Context	Zijian Wang and Christopher Potts	
7E	P41	Single Training Dimension Selection for Word Embedding with PCA	Yu Wang	

Poster & Demo Session 8: Machine Learning

Session	Poster/ Demo #	Title	Authors	Note
8E	P1	A Logic-Driven Framework for Consistency of Neural Models	Tao Li, Vivek Gupta, Maitrey Mehta and Vivek Srikumar	
8E	P2	Style Transfer for Texts: Retrain, Report Errors, Compare with Rewrites	Alexey Tikhonov, Viacheslav Shibaev, Aleksander Nagaev, Aigul Nugmanova and Ivan P. Yamshchikov	
8E	P3	Implicit Deep Latent Variable Models for Text Generation	Le Fang, Chunyuan Li, Jianfeng Gao, Wen Dong and Changyou Chen	
8E	P4	Text Emotion Distribution Learning from Small Sample: A Meta-Learning Approach	Zhenjie Zhao and Xiaojuan Ma	
8E	P5	Judge the Judges: A Large-Scale Evaluation Study of Neural Language Models for Online Review Generation	Cristina Garbacea, Samuel Carton, Shiyan Yan and Qiaozhu Mei	
8E	P6	Sentence-BERT: Sentence Embeddings using Siamese BERT-Networks	Nils Reimers and Iryna Gurevych	
8E	P7	Learning Only from Relevant Keywords and Unlabeled Documents	Nontawat Charoenphakdee, Jongyeong Lee, Yiping Jin, Dittaya Wanvarie and Masashi Sugiyama	
8E	P8	Denoising based Sequence-to-Sequence Pre-training for Text Generation	Liang Wang, Wei Zhao, Ruoyu Jia, Sujian Li and Jingming Liu	
8E	P9	Dialog Intent Induction with Deep Multi-View Clustering	Hugh Perkins and Yi Yang	
8E	P10	Auditing Deep Learning processes through Kernel-based Explanatory Models	Danilo Croce, Daniele Rossini and Roberto Basili	
8E	P11	Enhancing Variational Autoencoders with Mutual Information Neural Estimation for Text Generation	Dong Qian and William K. Cheung	
8E	P12	Sampling Bias in Deep Active Classification: An Empirical Study	Ameya Prabhu, Charles Dognin and Maneesh Singh	

8E	P13	Don't Take the Easy Way Out: Ensemble Based Methods for Avoiding Known Dataset Biases	Christopher Clark, Mark Yatskar and Luke Zettlemoyer	
8E	P14	Achieving Verified Robustness to Symbol Substitutions via Interval Bound Propagation	Po-Sen Huang, Robert Stanforth, Johannes Welbl, Chris Dyer, Dani Yogatama, Sven Gowal, Krishnamurthy Dvijotham and Pushmeet Kohli	
8E	P15	Rethinking Cooperative Rationalization: Introspective Extraction and Complement Control	Mo Yu, Shiyu Chang, Yang Zhang and Tommi Jaakkola	
8E	P16	Experimenting with Power Divergences for Language Modeling	Matthieu Labeau and Shay B. Cohen	
8E	P17	Hierarchically-Refined Label Attention Network for Sequence Labeling	Leyang Cui and Yue Zhang	
8E	P18	Certified Robustness to Adversarial Word Substitutions	Robin Jia, Aditi Raghunathan, Kerem Göksel and Percy Liang	
8E	P19	Visualizing and Understanding the Effectiveness of BERT	Yaru Hao, Li Dong, Furu Wei and Ke Xu	
8E	P20	Topics to Avoid: Demoting Latent Confounds in Text Classification	Sachin Kumar, Shuly Wintner, Noah A. Smith and Yulia Tsvetkov	
8E	P21	Learning to Ask for Conversational Machine Learning	Shashank Srivastava, Igor Labutov and Tom Mitchell	
8E	P22	Language Modeling for Code-Switching: Evaluation, Integration of Monolingual Data, and Discriminative Training	Hila Gonen and Yoav Goldberg	
8E	P23	Using Local Knowledge Graph Construction to Scale Seq2Seq Models to Multi-Document Inputs	Angela Fan, Claire Gardent, Chloé Braud and Antoine Bordes	
8E	P24	Fine-grained Knowledge Fusion for Sequence Labeling Domain Adaptation	Huiyun Yang, Shujian Huang, XIN-YU DAI and Jiajun CHEN	
8E	P25	Exploiting Monolingual Data at Scale for Neural Machine Translation	Lijun Wu, Yiren Wang, Yingce Xia, Tao QIN, Jianhuang Lai and Tie-Yan Liu	
8E	P26	Meta Relational Learning for Few-Shot Link Prediction in Knowledge Graphs	Mingyang Chen, Wen Zhang, Wei Zhang, Qiang Chen and Huajun Chen	
8E	P27	Distributionally Robust Language Modeling	Yonatan Oren, Shiori Sagawa, Tatsunori Hashimoto and Percy Liang	
8E	P28	Unsupervised Domain Adaptation of Contextualized Embeddings for Sequence Labeling	Xiaochuang Han and Jacob Eisenstein	
8E	P29	Learning Latent Parameters without Human Response Patterns: Item Response Theory with Artificial Crowds	John P. Lalor, Hao Wu and Hong Yu	

8E	P30	Parallel Iterative Edit Models for Local Sequence Transduction	Abhijeet Awasthi, Sunita Sarawagi, Rasna Goyal, Sabyasachi Ghosh and Vihari Piratla	
8E	P31	ARAML: A Stable Adversarial Training Framework for Text Generation	Pei Ke, Fei Huang, Minlie Huang and xiaoyan zhu	
8E	P32	FlowSeq: Non-Autoregressive Conditional Sequence Generation with Generative Flow	Xuezhe Ma, Chunting Zhou, Xian Li, Graham Neubig and Eduard Hovy	
8E	P33	Compositional Generalization for Primitive Substitutions	Yuanpeng Li, Liang Zhao, Jianyu Wang and Joel Hestness	
8E	P34	WikiCREM: A Large Unsupervised Corpus for Coreference Resolution	Vid Kocijan, Oana-Maria Camburu, Ana-Maria Cretu, Yordan Yordanov, Phil Blunsom and Thomas Lukasiewicz	
8E	P35	Identifying and Explaining Discriminative Attributes	Armins Stepanjans and André Freitas	
8E	P36	Patient Knowledge Distillation for BERT Model Compression	Siqi Sun, Yu Cheng, Zhe Gan and Jingjing Liu	
8E	P37	Neural Gaussian Copula for Variational Autoencoder	Prince Zizhuang Wang and William Yang Wang	
8E	P38	Transformer Dissection: An Unified Understanding for Transformer's Attention via the Lens of Kernel	Yao-Hung Hubert Tsai, Shaojie Bai, Makoto Yamada, Louis-Philippe Morency and Ruslan Salakhutdinov	
8E	P39	Learning to Learn and Predict: A Meta-Learning Approach for Multi-Label Classification	Jiawei Wu, Wenhan Xiong and William Yang Wang	
8E	P40	Revealing the Dark Secrets of BERT	Olga Kovaleva, Alexey Romanov, Anna Rogers and Anna Rumshisky	
8E	P41	Machine Translation With Weakly Paired Documents	Lijun Wu, Jinhua Zhu, Di He, Fei Gao, Tao QIN, Jianhuang Lai and Tie-Yan Liu	
8E	P42	Countering Language Drift via Visual Grounding	Jason Lee, Kyunghyun Cho and Douwe Kiela	
8E	P43	The Bottom-up Evolution of Representations in the Transformer: A Study with Machine Translation and Language Modeling Objectives	Elena Voita, Rico Sennrich and Ivan Titov	
8E	P44	Nearly-Unsupervised Hashcode Representations for Biomedical Relation Extraction	Sahil Garg, Aram Galstyan, Greg Ver Steeg and Guillermo Cecchi	
8E	D3	Controlling Sequence-to-Sequence Models - A Demonstration on Neural-based Acrostic Generator (#42)	Liang-Hsin Shen, Pei-Lun Tai, Chao-Chung Wu and Shou-De Lin	
8E	D4	AllenNLP Interpret: A Framework for Explaining Predictions of NLP Models (#44)	Eric Wallace, Jens Tuyls, Junlin Wang, Matt Gardner and Sameer Singh	

Session	Poster/Demo #	Title	Authors	Note
8E	D5	MedCATTrainer: A Biomedical Free Text Annotation Interface with Active Learning and Research Use Case Specific Customisation (#85)	Thomas Searle, Zeljko Kraljevic, Rebecca Bendayan, Daniel Bean and Richard Dobson	
8E	D7	UER: An Open-Source Toolkit for Pre-training Models (#54)	Zhe Zhao, Hui Chen, Jinbin Zhang, Xin Zhao, Tao Liu, Wei Lu, Xi Chen, Haotang Deng, Qi Ju and Xiaoyong Du	
8E	D8	NeuronBlocks: Building Your NLP DNN Models Like Playing Lego (#41)	Ming Gong, Linjun Shou, Wutao Lin, Zhijie Sang, Quanjia Yan, Ze Yang, Feixiang Cheng and Daxin Jiang	

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Poster & Demo Session 9: Social Media and Computational Social Science, Text Mining and NLP Applications

Session	Poster/Demo #	Title	Authors	Note
9E	P1	Integrating Text and Image: Determining Multimodal Document Intent in Instagram Posts	Julia Kruk, Jonah Lubin, Karan Sikka, Xiao Lin, Dan Jurafsky and Ajay Divakaran	
9E	P2	Neural Conversation Recommendation with Online Interaction Modeling	Xingshan Zeng, Jing Li, Lu Wang and Kam-Fai Wong	
9E	P3	Different Absorption from the Same Sharing: Sifted Multi-task Learning for Fake News Detection	Lianwei Wu, Yuan Rao, Haolin Jin, Ambreen Nazir and Ling Sun	
9E	P4	Text-based inference of moral sentiment change	Jing Yi Xie, Renato Ferreira Pinto Junior, Graeme Hirst and Yang Xu	
9E	P5	Detecting Causal Language Use in Science Findings	Bei Yu, Yingya Li and Jun Wang	
9E	P6	Multilingual and Multi-Aspect Hate Speech Analysis	Nedjma Ousidhoum, Zizheng Lin, Hongming Zhang, Yangqiu Song and Dit-Yan Yeung	

9E	P7	MultiFC: A Real-World Multi-Domain Dataset for Evidence-Based Fact Checking of Claims	Isabelle Augenstein, Christina Lioma, Dongsheng Wang, Lucas Chaves Lima, Casper Hansen, Christian Hansen and Jakob Grue Simonsen	
9E	P8	A Deep Neural Information Fusion Architecture for Textual Network Embeddings	Zenan Xu, Qinliang Su, Xiaojun Quan and Weijia Zhang	
9E	P9	You Shall Know a User by the Company It Keeps: Dynamic Representations for Social Media Users in NLP	Marco Del Tredici, Diego Marcheggiani, Sabine Schulte im Walde and Raquel Fernâ€¡ndez	
9E	P10	Adaptive Ensembling: Unsupervised Domain Adaptation for Political Document Analysis	Shrey Desai, Barea Sinno, Alex Rosenfeld and Junyi Jessy Li	
9E	P11	Macrocosm: Social Media Persona Linking for Open Source Intelligence Applications	Graham Horwood, Ning Yu, Thomas Boggs, Changjiang Yang and Chad Holvenstot	
9E	P12	A Hierarchical Location Prediction Neural Network for Twitter User Geolocation	Binxuan Huang and Kathleen Carley	
9E	P13	Trouble on the Horizon: Forecasting the Derailment of Online Conversations as they Develop	Jonathan P. Chang and Cristian Danescu-Niculescu-Mizil	
9E	P14	A Benchmark Dataset for Learning to Intervene in Online Hate Speech	Jing Qian, Anna Bethke, Yinyin Liu, Elizabeth Belding and William Yang Wang	
9E	P15	Detecting and Reducing Bias in a High Stakes Domain	Ruiqi Zhong, Yanda Chen, Desmond Patton, Charlotte Selous and Kathy McKeown	
9E	P16	CodeSwitch-Reddit: Exploration of Written Multilingual Discourse in Online Discussion Forums	Ella Rabinovich, Masih Sultani and Suzanne Stevenson	
9E	P17	Modeling Conversation Structure and Temporal Dynamics for Jointly Predicting Rumor Stance and Veracity	Penghui Wei, Nan Xu and Wenji Mao	
9E	P18	Measuring Online Debaters' Persuasive Skill from Text over Time	Kelvin Luu, Chenhao Tan and Noah A. Smith	TACL
9E	P19	Reconstructing Capsule Networks for Zero-shot Intent Classification	Han Liu, Xiaotong Zhang, Lu Fan, Xuandi Fu, Qimai Li, Xiao-Ming Wu and Albert Y.S. Lam	
9E	P20	Domain Adaptation for Person-Job Fit with Transferable Deep Global Match Network	Shuqing Bian, Wayne Xin Zhao, Yang Song, Tao Zhang and Ji-Rong Wen	
9E	P21	Heterogeneous Graph Attention Networks for Semi-supervised Short Text Classification	Hu Linmei, Tianchi Yang, Chuan Shi, Houye Ji and Xiaoli Li	

9E	P22	Comparing and Developing Tools to Measure the Readability of Domain-Specific Texts	Elissa Redmiles, Lisa Maszkiewicz, Emily Hwang, Dhruv Kuchhal, Everest Liu, Miraida Morales, Denis Peskov, Sudha Rao, Rock Stevens, Kristina Gligori_, Sean Kross, Michelle Mazurek and Hal DaumÅ½ III	
9E	P23	News2vec: News Network Embedding with Subnode Information	Ye Ma, Lu Zong, Yikang Yang and Jionglong Su	
9E	P24	Recursive Context-Aware Lexical Simplification	Sian Gooding and Ekaterina Kochmar	
9E	P25	Leveraging Medical Literature for Section Prediction in Electronic Health Records	Sara Rosenthal, Ken Barker and Zhicheng Liang	
9E	P26	Neural News Recommendation with Heterogeneous User Behavior	Chuhan Wu, Fangzhao Wu, Mingxiao An, Tao Qi, Jianqiang Huang, Yongfeng Huang and Xing Xie	
9E	P27	Reviews Meet Graphs: Enhancing User and Item Representations for Recommendation with Hierarchical Attentive Graph Neural Network	Chuhan Wu, Fangzhao Wu, Tao Qi, Suyu Ge, Yongfeng Huang and Xing Xie	
9E	P28	Event Representation Learning Enhanced with External Commonsense Knowledge	Xiao Ding, Kuo Liao, Ting Liu, Zhongyang Li and Junwen Duan	
9E	P29	Learning to Discriminate Perturbations for Blocking Adversarial Attacks in Text Classification	Yichao Zhou, Jyun-Yu Jiang, Kai-Wei Chang and Wei Wang	
9E	P30	A Neural Citation Count Prediction Model based on Peer Review Text	Siqing Li, Wayne Xin Zhao, Eddy Jing Yin and Ji-Rong Wen	
9E	P31	Connecting the Dots: Document-level Neural Relation Extraction with Edge-oriented Graphs	Fenia Christopoulou, Makoto Miwa and Sophia Ananiadou	
9E	P32	Semi-supervised Text Style Transfer: Cross Projection in Latent Space	Mingyue Shang, Piji Li, Zhenxin Fu, Lidong Bing, Dongyan Zhao, Shuming Shi and Rui Yan	
9E	P33	Question Answering for Privacy Policies: Combining Computational and Legal Perspectives	Abhilasha Ravichander, Alan W Black, Shomir Wilson, Thomas Norton and Norman Sadeh	
9E	P34	Stick to the Facts: Learning towards a Fidelity-oriented E-Commerce Product Description Generation	Zhangming Chan, Xiuying Chen, Yongliang Wang, Juntao Li, Zhiqiang Zhang, Kun Gai, Dongyan Zhao and Rui Yan	
9E	P35	Fine-Grained Entity Typing via Hierarchical Multi Graph Convolutional Networks	Hailong Jin, Lei Hou, Juanzi Li and Tiansi Dong	
9E	P36	Learning to Infer Entities, Properties and their Relations from Clinical Conversations	Nan Du, Mingqiu Wang, Linh Tran, Gang Lee and Izhak Shafran	

Session	Poster/Demo #	Title	Authors	Note
9E	P37	Practical Correlated Topic Modeling and Analysis via the Rectified Anchor Word Algorithm	Moontae Lee, Sungjun Cho, David Bindel and David Mimno	
9E	P38	Modeling the Relationship between User Comments and Edits in Document Revision	Xuchao Zhang, Dheeraj Rajagopal, Michael Gamon, Sujay Kumar Jauhar and ChangTien Lu	
9E	P39	PRADO: Projection Attention Networks for Document Classification On-Device	Prabhu Kaliamoorthi, Sujith Ravi and Zornitsa Kozareva	
9E	P40	Subword Language Model for Query Auto-Completion	Gyuwan Kim	
9E	P41	Enhancing Dialogue Symptom Diagnosis with Global Attention and Symptom Graph	Xinzhu Lin, Xiahui He, Qin Chen, Huaixiao Tou, Zhongyu Wei and Ting Chen	
9E	D3	TEASPN: Framework and Protocol for Integrated Writing Assistance Environments	Masato Hagiwara, Takumi Ito, Tatsuki Kuribayashi, Jun Suzuki and Kentaro Inui	
9E	D4	Journalist-in-the-Loop: Continuous Learning as a Service for Rumour Analysis	Twin Karmakharm, Kalina Bontcheva and Nikolaos Aletras	
9E	D5	MAssistant: A Personal Knowledge Assistant for MOOC Learners	Lan Jiang, Shuhan Hu, Mingyu Huang, Zhichun Wang, Jinjian Yang, Xiaoju Ye and Wei Zheng	
9E	D6	A Stylometry Toolkit for Latin Literature	Thomas Bolt, Jeffrey Flynt, Pramit Chaudhuri and Joseph Dexter	
9E	D7	Tanbih: Get To Know What You Are Reading	Yifan Zhang, Giovanni Da San Martino, Alberto Barrón-Cedeño, Salvatore Romeo, Jisun An, Haewoon Kwak, Todor Staykovski, Israa Jaradat, Georgi Karadzhov, Ramy Baly, Kareem Darwish, James Glass and Preslav Nakov	
9E	D8	Visualizing Trends of Key Roles in News Articles	Chen Xia, Haoxiang Zhang, Jacob Moghtader, Allen Wu and Kai-Wei Chang	

Poster & Demo Session 10: Sentiment Analysis and Argument Mining, Lexical Semantics, Sentence-level Semantics

Session	Poster/Demo #	Title	Authors	Note

10E	P1	Multiplex Word Embeddings for Selectional Preference Acquisition	Hongming Zhang, Jiaxin Bai, Yan Song, Kun Xu, Changlong Yu, Yangqiu Song, Wilfred Ng and Dong Yu	
10E	P2	MulCode: A Multiplicative Multi-way Model for Compressing Neural Language Model	Yukun Ma, Patrick H. Chen and Cho-Jui Hsieh	
10E	P3	It's All in the Name: Mitigating Gender Bias with Name-Based Counterfactual Data Substitution	Rowan Hall Maudslay, Hila Gonen, Ryan Cotterell and Simone Teufel	
10E	P4	Examining Gender Bias in Languages with Grammatical Gender	Pei Zhou, Weijia Shi, Jieyu Zhao, Kuan-Hao Huang, Muhao Chen, Ryan Cotterell and Kai-Wei Chang	
10E	P5	Weakly Supervised Cross-lingual Semantic Relation Classification via Knowledge Distillation	Yogarshi Vyas and Marine Carpuat	
10E	P6	Improved Word Sense Disambiguation Using Pre-Trained Contextualized Word Representations	Christian Hadiwinoto, Hwee Tou Ng and Wee Chung Gan	
10E	P7	Do NLP Models Know Numbers? Probing Numeracy in Embeddings	Eric Wallace, Yizhong Wang, Sujian Li, Sameer Singh and Matt Gardner	
10E	P8	A Split-and-Recombine Approach for Follow-up Query Analysis	Qian Liu, Bei Chen, Haoyan Liu, Jian-Guang LOU, Lei Fang, Bin Zhou and Dongmei Zhang	
10E	P9	Text2Math: End-to-end Parsing Text into Math Expressions	Yanyan Zou and Wei Lu	
10E	P10	Editing-Based SQL Query Generation for Cross-Domain Context-Dependent Questions	Rui Zhang, Tao Yu, Heyang Er, Sungrok Shim, Eric Xue, Xi Victoria Lin, Tianze Shi, Caiming Xiong, Richard Socher and Dragomir Radev	
10E	P11	Syntax-aware Multilingual Semantic Role Labeling	Shexia He, Zuchao Li and Hai Zhao	
10E	P12	Cloze-driven Pretraining of Self-attention Networks	Alexei Baevski, Sergey Edunov, Yinhan Liu, Luke Zettlemoyer and Michael Auli	
10E	P13	Bridging the Gap between Relevance Matching and Semantic Matching for Short Text Similarity Modeling	Jinfeng Rao, Linqing Liu, Yi Tay, Wei Yang, Peng Shi and Jimmy Lin	
10E	P14	A Syntax-aware Multi-task Learning Framework for Chinese Semantic Role Labeling	Qingrong Xia, Zhenghua Li and Min Zhang	
10E	P15	Transfer Fine-Tuning: A BERT Case Study	Yuki Arase and Jun'ichi Tsujii	
10E	P16	Data-Anonymous Encoding for Text-to-SQL Generation	Zhen Dong, Shizhao Sun, Hongzhi Liu, Jian-Guang Lou and Dongmei Zhang	
10E	P17	Capturing Argument Interaction in Semantic Role Labeling with Capsule Networks	Xinchi Chen, Chunchuan Lyu and Ivan Titov	

10E	P18	Learning Programmatic Idioms for Scalable Semantic Parsing	Srinivasan Iyer, Alvin Cheung and Luke Zettlemoyer	
10E	P19	JuICe: A Large Scale Distantly Supervised Dataset for Open Domain Context-based Code Generation	Rajas Agashe, Srinivasan Iyer and Luke Zettlemoyer	
10E	P20	Model-based Interactive Semantic Parsing: A Unified Framework and A Text-to-SQL Case Study	Ziyu Yao, Yu Su, Huan Sun and Wen-tau Yih	
10E	P21	Modeling Graph Structure in Transformer for Better AMR-to-Text Generation	Jie Zhu, Junhui Li, Muhua Zhu, Longhua Qian, Min Zhang and Guodong Zhou	
10E	P22	Syntax-Aware Aspect Level Sentiment Classification with Graph Attention Networks	Binxuan Huang and Kathleen Carley	
10E	P23	Learning Explicit and Implicit Structures for Targeted Sentiment Analysis	Hao Li and Wei Lu	
10E	P24	Capsule Network with Interactive Attention for Aspect-Level Sentiment Classification	Chunning Du, Haifeng Sun, Jingyu Wang, Qi Qi, Jianxin Liao, Tong Xu and Ming Liu	
10E	P25	Emotion Detection with Neural Personal Discrimination	Xiabing Zhou, Zhongqing Wang, Shoushan Li, Guodong Zhou and Min Zhang	
10E	P26	Specificity-Driven Cascading Approach for Unsupervised Sentiment Modification	Pengcheng Yang, Junyang Lin, Jingjing Xu, Jun Xie, Qi Su and Xu SUN	
10E	P27	LexicalAT: Lexical-Based Adversarial Reinforcement Training for Robust Sentiment Classification	Jingjing Xu, Liang Zhao, Hanqi Yan, Qi Zeng, Yun Liang and Xu SUN	
10E	P28	Leveraging Structural and Semantic Correspondence for Attribute-Oriented Aspect Sentiment Discovery	Zhe Zhang and Munindar Singh	
10E	P29	From the Token to the Review: A Hierarchical Multimodal approach to Opinion Mining	Alexandre Garcia, Pierre Colombo, Florence d'Alché-Buc, Slim Essid and Chloé Clavel	
10E	P30	Shallow Domain Adaptive Embeddings for Sentiment Analysis	Prathusha K Sarma, Yingyu Liang and William Sethares	
10E	P31	Domain-Invariant Feature Distillation for Cross-Domain Sentiment Classification	Mengting Hu, Yike Wu, Shiwan Zhao, Honglei Guo, Renhong Cheng and Zhong Su	
10E	P32	A Novel Aspect-Guided Deep Transition Model for Aspect Based Sentiment Analysis	Yunlong Liang, Fandong Meng, Jinchao Zhang, Jinan Xu, Yufeng Chen and Jie Zhou	
10E	P33	Human-Like Decision Making: Document-level Aspect Sentiment Classification via Hierarchical Reinforcement Learning	Jingjing Wang, Changlong Sun, Shoushan Li, Jiancheng Wang, Luo Si, Min Zhang, Xiaozhong Liu and Guodong Zhou	

Session	Poster/Demo #	Title	Authors	Note
10E	P34	A Dataset of General-Purpose Rebuttal	Matan Orbach, Yonatan Bilu, Ariel Gera, Yoav Kantor, Lena Dankin, Tamar Lavee, Lili Kotlerman, Shachar Mirkin, Michal Jacovi, Ranit Aharonov and Noam Slonim	
10E	P35	Rethinking Attribute Representation and Injection for Sentiment Classification	Reinald Kim Amplayo	
10E	P36	A Knowledge Regularized Hierarchical Approach for Emotion Cause Analysis	Chuang Fan, Hongyu Yan, Jiachen Du, Lin Gui, Lidong Bing, Min Yang, Ruifeng Xu and Ruibin Mao	
10E	P37	Automatic Argument Quality Assessment - New Datasets and Methods	Assaf Toledo, Shai Gretz, Edo Cohen-Karlik, Roni Friedman, Elad Venezian, Dan Lahav, Michal Jacovi, Ranit Aharonov and Noam Slonim	
10E	P38	Fine-Grained Analysis of Propaganda in News Article	Giovanni Da San Martino, Seunghak Yu, Alberto Barrón-Cedeño, Rostislav Petrov and Preslav Nakov	
10E	P39	Context-aware Interactive Attention for Multi-modal Sentiment and Emotion Analysis	Dushyant Singh Chauhan, Md Shad Akhtar, Asif Ekbal and Pushpak Bhattacharyya	
10E	P40	The Role of Pragmatic and Discourse Context in Determining Argument Impact	Esin Durmus, Faisal Ladhak and Claire Cardie	
10E	P41	Aspect-Level Sentiment Analysis Via Convolution over Dependency Tree	Kai Sun, Richong Zhang, Samuel Mensah, Yongyi Mao and Xudong Liu	
10E	P42	Sequential Learning of Convolutional Features for Effective Text Classification	Avinash Madasu and Vijjini Anvesh Rao	

Poster & Demo Session 11: Discourse and Pragmatics, Linguistic Theories, Textual Inference, Question Answering, Summarization and Generation

Session	Poster/Demo #	Title	Authors	Note
11E	P1	Next Sentence Prediction helps Implicit Discourse Relation Classification within and across Domains	Wei Shi and Vera Demberg	

11E	P2	Split or Merge: Which is Better for Unsupervised RST Parsing?	Naoki Kobayashi, Tsutomu Hirao, Kengo Nakamura, Hidetaka Kamigaito, Manabu Okumura and Masaaki Nagata
11E	P3	BERT for Coreference Resolution: Baselines and Analysis	Mandar Joshi, Omer Levy, Luke Zettlemoyer and Daniel Weld
11E	P4	Linguistic Versus Latent Relations for Modeling Coherent Flow in Paragraphs	Dongyeop Kang and Eduard Hovy
11E	P5	Event Causality Recognition Exploiting Multiple Annotators' Judgments and Background Knowledge	Kazuma Kadowaki, Ryu Iida, Kentaro Torisawa, Jong-Hoon Oh and Julien Kloetzer
11E	P6	What Part of the Neural Network Does This? Understanding LSTMs by Measuring and Dissecting Neurons	Ji Xin, Jimmy Lin and Yaoliang Yu
11E	P7	Quantity doesn't buy quality syntax with neural language models	Marten van Schijndel, Aaron Mueller and Tal Linzen
11E	P8	Higher-order Comparisons of Sentence Encoder Representations	Mostafa Abdou, Artur Kulmizev, Felix Hill, Daniel M. Low and Anders Søgaard
11E	P9	Text Genre and Training Data Size in Human-like Parsing	John Hale, Adhiguna Kuncoro, Keith Hall, Chris Dyer and Jonathan Brennan
11E	P10	Feature2Vec: Distributional semantic modelling of human property knowledge	Steven Derby, Paul Miller and Barry Devereux
11E	P11	GeoSQA: A Benchmark for Scenario-based Question Answering in the Geography Domain at High School Level	Zixian Huang, Yulin Shen, Xiao Li, Yu'ang Wei, Gong Cheng, Lin Zhou, Xinyu Dai and Yuzhong Qu
11E	P12	Revisiting the Evaluation of Theory of Mind through Question Answering	Matthew Le, Y-Lan Boureau and Maximilian Nickel
11E	P13	Multi-passage BERT: A Globally Normalized BERT Model for Open-domain Question Answering	Zhiguo Wang, Patrick Ng, Xiaofei Ma, Ramesh Nallapati and Bing Xiang
11E	P14	A Span-Extraction Dataset for Chinese Machine Reading Comprehension	Yiming Cui, Ting Liu, Wanxiang Che, Li Xiao, Zhipeng Chen, Wentao Ma, Shijin Wang and Guoping Hu
11E	P15	MICRON: Multigranular Interaction for Contextualizing RepresentatiON in Non-factoid Question Answering	Hojae Han, Seungtaek Choi, Haeju Park and Seung-won Hwang
11E	P16	Machine Reading Comprehension Using Structural Knowledge Graph-aware Network	Delai Qiu, Yuanzhe Zhang, Xinwei Feng, Xiangwen Liao, Wenbin Jiang, Yajuan Lyu, Kang Liu and Jun Zhao
11E	P17	Answering Conversational Questions on Structured Data without Logical Forms	Thomas Mueller, Francesco Piccinno, Peter Shaw, Massimo Nicosia and Yasemin Altun

11E	P18	Improving Answer Selection and Answer Triggering using Hard Negatives	Sawan Kumar, shweta garg, Kartik Mehta and Nikhil Rasiwasia
11E	P19	Can You Unpack That? Learning to Rewrite Questions-in-Context	Ahmed Elgohary, Denis Peskov and Jordan Boyd-Graber
11E	P20	Quoref: A Reading Comprehension Dataset with Questions Requiring Coreferential Reasoning	Pradeep Dasigi, Nelson F. Liu, Ana Marasovic, Noah A. Smith and Matt Gardner
11E	P21	Zero-shot Reading Comprehension by Cross-lingual Transfer Learning with Multi-lingual Language Representation Model	Tsung-Yuan Hsu, Chi-Liang Liu and Hung-yi Lee
11E	P22	QuaRTz: An Open-Domain Dataset of Qualitative Relationship Questions	Oyvind Tafjord, Matt Gardner, Kevin Lin and Peter Clark
11E	P23	Giving BERT a Calculator: Finding Operations and Arguments with Reading Comprehension	Daniel Andor, Luheng He, Kenton Lee and Emily Pitler
11E	P24	A Gated Self-attention Memory Network for Answer Selection	Tuan Lai, Quan Hung Tran, Trung Bui and Daisuke Kihara
11E	P25	Polly Want a Cracker: Analyzing Performance of Parroting on Paraphrase Generation Datasets	Hong-Ren Mao and Hung-Yi Lee
11E	P26	Query-focused Sentence Compression in Linear Time	Abram Handler and Brendan O'Connor
11E	P27	Generating Personalized Recipes from Historical User Preferences	Bodhisattwa Prasad Majumder, Shuyang Li, Jianmo Ni and Julian McAuley
11E	P28	Generating Highly Relevant Questions	Jiazuo Qiu and Deyi Xiong
11E	P29	Improving Neural Story Generation by Targeted Common Sense Grounding	Huanru Henry Mao, Bodhisattwa Prasad Majumder, Julian McAuley and Garrison Cottrell
11E	P30	Abstract Text Summarization: A Low Resource Challenge	Shantipriya Parida and Petr Motlicek
11E	P31	Generating Modern Poetry Automatically in Finnish	Mika Hämäläinen and Khalid Alnajjar
11E	P32	SUM-QE: a BERT-based Summary Quality Estimation Model	Stratos Xenouleas, Prodromos Malakasiotis, Marianna Apidianaki and Ion Androutsopoulos
11E	P33	An Empirical Comparison on Imitation Learning and Reinforcement Learning for Paraphrase Generation	Wanyu Du and Yangfeng Ji
11E	P34	Countering the Effects of Lead Bias in News Summarization via Multi-Stage Training and Auxiliary Losses	Matt Grenander, Yue Dong, Jackie Chi Kit Cheung and Annie Louis

11E	P35	Learning Rhyming Constraints using Structured Adversaries	Harsh Jhamtani, Sanket Vaibhav Mehta, Jaime Carbonell and Taylor Berg-Kirkpatrick	
11E	P36	Question-type Driven Question Generation	Wenjie Zhou, Minghua Zhang and Yunfang Wu	
11E	P37	Deep Reinforcement Learning with Distributional Semantic Rewards for Abstractive Summarization	Siyao Li, Deren Lei, Pengda Qin and William Yang Wang	
11E	P38	Clause-Wise and Recursive Decoding for Complex and Cross-Domain Text-to-SQL Generation	Dongjun Lee	
11E	P39	Do Nuclear Submarines Have Nuclear Captains? A Challenge Dataset for Commonsense Reasoning over Adjectives and Objects	James Mullenbach, Jonathan Gordon, Nanyun Peng and Jonathan May	
11E	P40	Aggregating Bidirectional Encoder Representations Using MatchLSTM for Sequence Matching	Bo Shao, Yeyun Gong, Weizhen Qi, Nan Duan and Xiaola Lin	
11E	P41	What Does This Word Mean? Explaining Contextualized Embeddings with Natural Language De?nition	Ting-Yun Chang and Yun-Nung Chen	
11E	P42	Pre-Training BERT on Domain Resources for Short Answer Grading	Chul Sung, Tejas Dhamecha, Swarnadeep Saha, Tengfei Ma, Vinay Reddy and Rishi Arora	
11E	P43	WIQA: A dataset for "What if..." reasoning over procedural text	Niket Tandon, Bhavana Dalvi, Keisuke Sakaguchi, Peter Clark and Antoine Bosselut	
11E	P44	Evaluating BERT for natural language inference: A case study on the CommitmentBank	Nanjiang Jiang and Marie-Catherine de Marneffe	
11E	P45	Incorporating Domain Knowledge into Medical NLI using Knowledge Graphs	Soumya Sharma, Bishal Santra, Abhik Jana, Santosh Tokala, Niloy Ganguly and Pawan Goyal	
11E	P46	Sunny and Dark Outside?! Improving Answer Consistency in VQA through Entailed Question Generation	Arijit Ray, Karan Sikka, Ajay Divakaran, Stefan Lee and Giedrius Burachas	

Poster & Demo Session 12: Information Extraction, Text Mining and NLP Applications, Social Media and Computational Social Science, Sentiment Analysis and Argument Mining

Session	Poster/ Demo #	Title	Authors	Note
12E	P1	An Attentive Fine-Grained Entity Typing Model with Latent Type Representation	Ying Lin and Heng Ji	
12E	P2	An Improved Neural Baseline for Temporal Relation Extraction	Qiang Ning, Sanjay Subramanian and Dan Roth	
12E	P3	Improving Fine-grained Entity Typing with Entity Linking	Hongliang Dai, Donghong Du, Xin Li and Yangqiu Song	
12E	P4	Combining Spans into Entities: A Neural Two-Stage Approach for Recognizing Discontiguous Entities	Bailin Wang and Wei Lu	
12E	P5	Cross-Sentence N-ary Relation Extraction using Lower-Arity Universal Schemas	Kosuke Akimoto, Takuya Hiraoka, Kunihiko Sadamasa and Mathias Niepert	
12E	P6	Gazetteer-Enhanced Attentive Neural Networks for Named Entity Recognition	Hongyu Lin, Yaojie Lu, Xianpei Han, Le Sun, Bin Dong and Shanshan Jiang	
12E	P7	A Buster Keaton of Linguistics: First Automated Approaches for the Extraction of Vossian Antonomasia	Michel Schwab, Robert Jäschke, Frank Fischer and Jannik Strötgen	
12E	P8	Multi-Task Learning for Chemical Named Entity Recognition with Chemical Compound Paraphrasing	Taiki Watanabe, Akihiro Tamura, Takashi Ninomiya, Takuya Makino and Tomoya Iwakura	
12E	P9	FewRel 2.0: Towards More Challenging Few-Shot Relation Classification	Tianyu Gao, Xu Han, Hao Zhu, Zhiyuan Liu, Peng Li, Maosong Sun and Jie Zhou	
12E	P10	ner and pos when nothing is capitalized	Stephen Mayhew, Tatiana Tsygankova and Dan Roth	
12E	P11	CaRB: A Crowdsourced Benchmark for Open IE	Sangnie Bhardwaj, Samarth Aggarwal and Mausam -	
12E	P12	Weakly Supervised Attention Networks for Entity Recognition	Barun Patra and Joel Ruben Antony Moniz	
12E	P13	Revealing and Predicting Online Persuasion Strategy with Elementary Units	Gaku Morio, Ryo Egawa and Katsuhide Fujita	
12E	P14	A Challenge Dataset and Effective Models for Aspect-Based Sentiment Analysis	Qingnan Jiang, Lei Chen, Ruifeng Xu, Xiang Ao and Min Yang	
12E	P15	Learning with Noisy Labels for Sentence-level Sentiment Classification	Hao Wang, Bing Liu, Chaozhuo Li, Yan Yang and Tianrui Li	
12E	P16	DENS: A Dataset for Multi-class Emotion Analysis	Chen Liu, Muhammad Osama and Anderson De Andrade	
12E	P17	Multi-Task Stance Detection with Sentiment and Stance Lexicons	Yingjie Li and Cornelia Caragea	

12E	P18	A Robust Self-Learning Framework for Cross-Lingual Text Classification	Xin Dong and Gerard de Melo	
12E	P19	Learning to Flip the Sentiment of Reviews from Non-Parallel Corpora	Canasai Kruengkrai	
12E	P20	Label Embedding using Hierarchical Structure of Labels for Twitter Classification	Taro Miyazaki, Kiminobu Makino, Yuka Takei, Hiroki Okamoto and Jun Goto	
12E	P21	Interpretable Word Embeddings via Informative Priors	Miriam Hurtado Bodell, Martin Arvidsson and Måns Magnusson	
12E	P22	Adversarial Removal of Demographic Attributes Revisited	Maria Barrett, Yova Kementchedjhieva, Yanai Elazar, Desmond Elliott and Anders Søgaard	
12E	P23	A deep-learning framework to detect sarcasm targets	Jasabanta Patro, Srijan Bansal and Animesh Mukherjee	
12E	P24	In Plain Sight: Media Bias Through the Lens of Factual Reporting	Lisa Fan, Marshall White, Eva Sharma, Ruisi Su, Prafulla Kumar Choubey, Ruihong Huang and Lu Wang	
12E	P25	Incorporating Label Dependencies in Multilabel Stance Detection	William Ferreira and Andreas Vlachos	
12E	P26	Investigating Sports Commentator Bias within a Large Corpus of American Football Broadcasts	Jack Merullo, Luke Yeh, Abram Handler, Alvin Grissom II, Brendan O'Connor and Mohit Iyyer	
12E	P27	Charge-Based Prison Term Prediction with Deep Gating Network	Huajie Chen, Deng Cai, Wei Dai, Zehui Dai and Yadong Ding	
12E	P28	Restoring ancient text using deep learning: a case study on Greek epigraphy	Yannis Assael, Thea Sommerschield and Jonathan Prag	
12E	P29	Embedding Lexical Features via Tensor Decomposition for Small Sample Humor Recognition	Zhenjie Zhao, Andrew Cattle, Evangelos Papalexakis and Xiaojuan Ma	
12E	P30	EDA: Easy Data Augmentation Techniques for Boosting Performance on Text Classification Tasks	Jason Wei and Kai Zou	
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