

Accepted Long Papers

Biomedical

1. *Enriching Complex Networks with Word Embeddings for Detecting Mild Cognitive Impairment from Speech Transcripts*
Authors: Leandro Santos, Edilson Anselmo Corrêa Júnior, Osvaldo Oliveira Jr, Diego Amancio, Leticia Mansur and Sandra Aluísio

Cognitive Modelling and Psycholinguistics

1. *Alignment at Work: Using Language to Distinguish the Internalization and Self-Regulation Components of Cultural Fit in Organizations*
Authors: Gabriel Doyle, Amir Goldberg, Sameer Srivastava and Michael Frank
2. *Representations of language in a model of visually grounded speech signal*
Authors: Grzegorz Chrupała, Lieke Gelderloos and Afra Alishahi
3. *Spectral Analysis of Information Density in Dialogue Predicts Collaborative Task Performance*
Authors: Yang Xu and David Reitter

Dialog Interactive Systems

1. *Adversarial Adaptation of Synthetic or Stale Data*
Authors: Young-Bum Kim, Karl Stratos and Dongchan Kim
2. *Affect-LM: A Neural Language Model for Customizable Affective Text Generation*
Authors: Sayan Ghosh, Mathieu Chollet, Eugene Laksana, Stefan Scherer and Louis-Philippe Morency
3. *Chat Detection in Intelligent Assistant: Combining Task-oriented and Non-task-oriented Spoken Dialogue Systems*
Authors: Satoshi Akasaki and Nobuhiro Kaji
4. *Domain Attention with an Ensemble of Experts*
Authors: Young-Bum Kim, Karl Stratos and Dongchan Kim
5. *Generating Contrastive Referring Expressions*
Authors: Martin Villalba, Christoph Teichmann and Alexander Koller
6. *Hybrid Code Networks: practical and efficient end-to-end dialog control with supervised and reinforcement learning*
Authors: Jason D Williams, Kavosh Asadi and Geoffrey Zweig
7. *Joint Modeling of Content and Discourse Relations in Dialogues*
Authors: Kechen Qin, Lu Wang, Joseph Kim and Julie Shah

8. *Learning Discourse-level Diversity for Neural Dialog Models using Conditional Variational Autoencoders*
Authors: Tiancheng Zhao, Ran Zhao and Maxine Eskenazi
9. *Learning Symmetric Collaborative Dialogue Agents with Dynamic Knowledge Graph Embeddings*
Authors: He He, Anusha Balakrishnan, Mihail Eric and Percy Liang
10. *Neural Belief Tracker: Data-Driven Dialogue State Tracking*
Authors: Nikola Mrkšić, Diarmuid Ó Séaghdha, Tsung-Hsien Wen, Blaise Thomson and Steve Young
11. *Sequential Matching Network: A New Architecture for Multi-turn Response Selection in Retrieval-based Chatbots*
Authors: Yu Wu, Wei Wu, Chen Xing, Ming Zhou and Zhoujun Li
12. *Towards an Automatic Turing Test: Learning to Evaluate Dialogue Responses*
Authors: Ryan Lowe, Michael Noseworthy, Iulian Vlad Serban, Nicolas Angelard-Gontier, Yoshua Bengio and Joelle Pineau
13. *Towards End-to-End Reinforcement Learning of Dialogue Agents for Information Access*
Authors: Bhuwan Dhingra, Lihong Li, Xiujun Li, Jianfeng Gao, Yun-Nung Chen, Faisal Ahmed and Li Deng

Discourse Pragmatics

1. *A Neural Local Coherence Model*
Authors: Shafiq Joty and Dat Tien Nguyen
2. *Adversarial Connective-exploiting Networks for Implicit Discourse Relation Classification*
Authors: Lianhui Qin, Zhisong Zhang, Hai Zhao, Eric Xing and Zhiting Hu
3. *Argument Mining with Structured SVMs and RNNs*
Authors: Vlad Niculae, Claire Cardie and Joonsuk Park
4. *Discourse Mode Identification in Essays*
Authors: Wei Song
5. *Don't understand a measure? Learn it: Structured Prediction for Coreference Resolution optimizing its measures*
Authors: Iryna Haponchyk and Alessandro Moschitti
6. *Generating and Exploiting Large-scale Pseudo Training Data for Zero Pronoun Resolution*
Authors: Ting Liu, Yiming Cui, Qingyu Yin, Wei-Nan Zhang, Shijin Wang and Guoping Hu
7. *Joint Learning for Coreference Resolution*
Authors: Jing Lu and Vincent Ng
8. *Neural Discourse Structure for Text Categorization*
Authors: Yangfeng Ji and Noah A. Smith

Generation Summarization

1. *Abstractive Document Summarization with a Graph-Based Attentional Neural Model*
Authors: Jiwei Tan and Xiaojun Wan
2. *Automatically Generating Rhythmic Verse with Neural Networks*
Authors: Jack Hopkins and Douwe Kiela
3. *Can Syntax Help? Improving an LSTM-based Sentence Compression Model for New Domains*
Authors: Liangguo Wang, Jing Jiang, Hai Leong Chieu, Hui Ong Ong, Dandan Song and Lejian Liao
4. *Creating Training Corpora for NLG Micro-Planners*
Authors: Claire Gardent, Anastasia Shimorina, Shashi Narayan and Laura Perez-Beltrachini
5. *Data-Driven Broad-Coverage Grammars for Opinionated Natural Language Generation (ONLG)*
Authors: Tomer Cagan, Stefan L. Frank and Reut Tsarfaty
6. *Diversity driven attention model for query-based abstractive summarization*
Authors: Preksha Nema, Mitesh M. Khapra, Balaraman Ravindran and Anirban Laha
7. *Flexible and Creative Chinese Poetry Generation Using Neural Memory*
Authors: Jiyuan Zhang, Yang Feng, Dong Wang, Yang Wang, Andrew Abel, Shiyue Zhang and Andi Zhang
8. *Get To The Point: Summarization with Pointer-Generator Networks*
Authors: Abigail See, Peter J. Liu and Christopher D. Manning
9. *Joint Optimization of User-desired Content in Multi-document Summaries by Learning from User Feedback*
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12. *Neural AMR: Sequence-to-Sequence Models for Parsing and Generation*
Authors: Ioannis Konstas, Srinivasan Iyer, Mark Yatskar, Yejin Choi and Luke Zettlemoyer
13. *PositionRank: An Unsupervised Approach to Keyphrase Extraction from Scholarly Documents*
Authors: Corina Florescu and Cornelia Caragea
14. *Program Induction for Rationale Generation: Learning to Solve and Explain Algebraic Word Problems*
Authors: Wang Ling, Dani Yogatama, Chris Dyer and Phil Blunsom
15. *Selective Encoding for Abstractive Sentence Summarization*
Authors: Qingyu Zhou, Nan Yang, Furu Wei and Ming Zhou

16. *Supervised Learning of Automatic Pyramid for Optimization-Based Multi-Document Summarization*

Authors: Maxime Peyrard and Judith Eckle-Kohler

IE QA Text Mining Applications

1. *A Constituent-Centric Neural Architecture for Reading Comprehension*
Authors: Pengtao Xie and Eric Xing
2. *A FOFE-based Local Detection Approach for Named Entity Recognition and Mention Detection*
Authors: Mingbin Xu, Hui Jiang and Sedtawut Watcharawittayakul
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Authors: Pengfei Liu, Xipeng Qiu and Xuanjing Huang
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12. *Determining Gains Acquired from Word Embedding Quantitatively using Discrete Distribution Clustering*
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Authors: Shulin Liu, Kang Liu and Jun Zhao
14. *Gated Self-Matching Networks for Reading Comprehension and Question Answering*
Authors: Wenhui Wang, Nan Yang, Furu Wei, Baobao Chang and Ming Zhou

15. *Gated-Attention Readers for Text Comprehension*
 Authors: Bhuwan Dhingra, Hanxiao Liu, Zhilin Yang, William Cohen and Ruslan Salakhutdinov
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 Authors: Shizhu He, Kang Liu and Jun Zhao
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31. *Topical Coherence in LDA-based Models through Induced Segmentation*
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32. *Towards a Seamless Integration of Word Senses into Downstream NLP Applications*
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37. *Weakly Supervised Cross-Lingual Named Entity Recognition via Effective Annotation and Representation Projection*
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Machine Learning

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13. *Topically Driven Neural Language Model*
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Machine Translation

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4. *Chunk-based Decoder for Neural Machine Translation*
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5. *Deep Neural Machine Translation with Linear Associative Unit*
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11. *Neural Machine Translation via Binary Code Prediction*
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Multidisciplinary

1. *A Nested Attention Neural Hybrid Model for Grammatical Error Correction*
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Phonology Morphology Word Segmentation

1. *Adversarial Multi-Criteria Learning for Chinese Word Segmentation*
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Resources Evaluation

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6. *Polish evaluation dataset for compositional distributional semantics models*
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Semantics

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Sentiment Analysis Opinion Mining

1. *A Multidimensional Lexicon for Interpersonal Stancetaking*
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2. *Active Sentiment Domain Adaptation*
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5. *Learning Cognitive Features from Gaze Data for Sentiment and Sarcasm Classification using Convolutional Neural Network*
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11. *Volatility Prediction using Financial Disclosures Sentiments with Word Embedding-based IR Models*
Authors: Navid Rekabsaz, Mihai Lupu, Artem Baklanov, Alexander Dür, Linda Andersson and Allan Hanbury

Social Media

1. *Beyond Binary Labels: Political Ideology Prediction of Twitter Users*
Authors: Daniel Preoțiuc-Pietro, Ye Liu, Daniel Hopkins and Lyle Ungar
2. *CANE: Context-Aware Network Embedding for Relation Modeling*
Authors: Cunchao Tu, Han Liu, Zhiyuan Liu and Maosong Sun
3. *Detect Rumors in Microblog Posts Using Propagation Structure via Kernel Learning*
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Authors: Yasuhide Miura, Motoki Taniguchi, Tomoki Taniguchi and Tomoko Ohkuma

Speech

1. *Joint CTC-attention End-to-end Speech Recognition*
Authors: Shinji Watanabe, Takaaki Hori and John Hershey
2. *Learning Word-Like Units from Joint Audio-Visual Analysis*
Authors: David Harwath and James Glass

Tagging Chunking Syntax Parsing

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Authors: Hongmin Wang, Yue Zhang, GuangYong Leonard Chan, Jie Yang and Hai Leong Chieu

Vision Robots Grounding

1. *Combining distributional and referential information for naming objects through cross-modal mapping and direct word prediction*
Authors: Sina Zarrieß and David Schlangen
2. *FOIL it! Find One mismatch between Image and Language caption*
Authors: Ravi Shekhar, Sandro Pezzelle, Yauhen Klimovich, Aurélie Herbelot, Moin Nabi, Enver Sangineto and Raffaella Bernardi

3. *Multi-Task Video Captioning with Visual and Textual Entailment*
Authors: Ramakanth Pasunuru and Mohit Bansal
4. *Translating Neuralese*
Authors: Jacob Andreas, Anca Dragan and Dan Klein
5. *Verb Physics: Relative Physical Knowledge of Actions and Objects*
Authors: Maxwell Forbes and Yejin Choi

Accepted Short Papers

Biomedical

1. *Neural Architecture for Temporal Relation Extraction: A Bi-LSTM Approach for Detecting Narrative Containers*
Authors: Julien Tourille, Olivier Ferret, Aurelie Neveol and Xavier Tannier
2. *Vector space models for evaluating semantic fluency in autism*
Authors: Emily Prud'hommeaux, Jan van Santen and Douglas Gliner

Cognitive Modelling and Psycholinguistics

1. *The Role of Prosody and Speech Register in Word Segmentation: A Computational Modelling Perspective*
Authors: Bogdan Ludusan, Reiko Mazuka, Mathieu Bernard, Alejandrina Cristia and Emmanuel Dupoux

Dialog Interactive Systems

1. *A Conditional Variational Framework for Dialog Generation*
Authors: Xiaoyu Shen, Hui Su, Yanran Li, Wenjie Li, Shuzi Niu and Akiko Aizawa
2. *How to Make Contexts More Useful? An Empirical Study to Context-Aware Neural Conversation Models*
Authors: Zhiliang Tian, Rui Yan, Lili Mou, Yiping Song, Yansong Feng and Dongyan Zhao
3. *MeChat: A Sequence to Sequence and Rerank based Chatbot Engine*
Authors: Minghui Qiu and Feng-Lin Li

Discourse Pragmatics

1. *A Recurrent Neural Model with Attention for the Recognition of Chinese Implicit Discourse Relations*
Authors: Niko Schenk and Samuel Rönnqvist
2. *A Two-stage Parsing Method for Text-level Discourse Analysis*
Authors: Yizhong Wang and Sujian Li
3. *Argumentation Quality Assessment: Theory vs. Practice*
Authors: Henning Wachsmuth, Nona Naderi, Ivan Habernal, Yufang Hou, Graeme Hirst, Iryna Gurevych and Benno Stein
4. *Cross-lingual and cross-domain discourse segmentation of entire documents*
Authors: Chloé Braud, Ophélie Lacroix and Anders Søgaard
5. *Detecting Good Arguments in a Non-Topic-Specific Way: An Oxymoron?*
Authors: Beata Beigman Klebanov, Binod Gyawali and Yi Song
6. *Discourse Annotation of Non-native Spontaneous Spoken Responses Using the Rhetorical Structure Theory Framework*
Authors: Xinhao Wang, James Bruno, Hillary Molloy, Keelan Evanini and Klaus Zechner
7. *Improving Implicit Discourse Relation Recognition with Discourse-specific Word Embeddings*
Authors: Changxing Wu, xiaodong shi, Yidong Chen, jinsong su and Boli Wang
8. *Lexical Features in Coreference Resolution: To be Used With Caution*
Authors: Nafise Sadat Moosavi and Michael Strube

Generation Summarization

1. *A Principled Framework for Evaluating Summarizers: Comparing Models of Summary Quality against Human Judgments*
Authors: Maxime Peyrard and Judith Eckle-Köhler
2. *Japanese Sentence Compression with a Large Training Dataset*
Authors: Shun Hasegawa, Yuta Kikuchi, Hiroya Takamura and Manabu Okumura
3. *Learning to Generate Natural Language Descriptions From Source Code Changes*
Authors: Pablo Loyola, Edison Marrese-Taylor and Yutaka Matsuo
4. *Oracle Summaries of Compressive Summarization*
Authors: Tsutomu Hirao, Masaaki Nishino and Masaaki Nagata

IE QA Text Mining Applications

1. *A Generative Attentional Neural Network Model for Dialogue Act Classification*
Authors: Quan Hung Tran, Gholamreza Haffari and Ingrid Zukerman
2. *Bootstrapping for Numerical Open IE*
Authors: Swarnadeep Saha, Harinder Pal and Mausam
3. *Cardinal Virtues: Extracting Relation Cardinalities from Text*
Authors: Paramita Mirza, Simon Razniewski, Fariz Darari and Gerhard Weikum

4. *Classifying Temporal Relations by Bidirectional LSTM over Dependency Paths*
Authors: Fei Cheng and Yusuke Miyao
5. *Complex Question Answering by Reasoning over Open Information Extraction*
Authors: Tushar Khot, Ashish Sabharwal and Peter Clark
6. *English Event Detection With Translated Language Features*
Authors: Sam Wei, Igor Korostil, Joel Nothman and Ben Hachey
7. *EviNets: Evidence Neural Networks for Combining Evidence Signals for Factoid Question Answering*
Authors: Denis Savenkov and Eugene Agichtein
8. *Feature-Rich Deep Neural Networks for Knowledge Base Completion*
Authors: Alexandros Komninos and Suresh Manandhar
9. *Fine-Grained Entity Typing with High-Multiplicity Assignments*
Authors: Maxim Rabinovich and Dan Klein
10. *Group Sparse CNNs for Question Classification with Answer Sets*
Authors: Mingbo Ma, Liang Huang, Bing Xiang and Bowen Zhou
11. *Improving Native Language Identification by Using Spelling Errors*
Authors: Lingzhen Chen, Carlo Strapparava and Vivi Nastase
12. *Integrating Deep Linguistic Features in Factuality Prediction over Unified Datasets*
Authors: Gabriel Stanovsky, Judith Eckle-Kohler, Yevgeniy Puzikov, Ido Dagan and Iryna Gurevych
13. *List-only Entity Linking*
Authors: Ying Lin, Chin-Yew Lin and Heng Ji
14. *Multi-Task Learning of Keyphrase Boundary Classification*
Authors: Isabelle Augenstein and Anders Søgaard
15. *Pocket Knowledge Base Population*
Authors: Travis Wolfe, Mark Dredze and Benjamin Van Durme
16. *Question Answering through Transfer Learning from Large Fine-grained Supervision Data*
Authors: Sewon Min, Minjoon Seo and Hannaneh Hajishirzi
17. *Question Answering with Universal Schema and Memory Networks*
Authors: Rajarshi Das, Manzil Zaheer, Siva Reddy and Andrew McCallum
18. *Salience Rank: Efficient Keyphrase Extraction with Topic Modeling*
Authors: Nedelina Teneva and Weiwei Cheng
19. *Self-Crowdsourcing Training for Relation Extraction*
Authors: Azad Abad, Moin Nabi and Alessandro Moschitti

Machine Learning

1. *A Deep Network with Visual Text Composition Behavior*
Authors: Hongyu GUO
2. *Differentiable Scheduled Sampling for Credit Assignment*
Authors: Kartik Goyal, Chris Dyer and Taylor Berg-Kirkpatrick

3. *Disfluency Detection using a Noisy Channel Model and a Deep Neural Language Model*
Authors: Paria Jamshid Lou and Mark Johnson
4. *Implicitly-Defined Neural Networks for Sequence Labeling*
Authors: Michael Kazi and Brian Thompson
5. *Information-Theory Interpretation of the Skip-Gram Negative-Sampling Objective Function*
Authors: Oren Melamud and Jacob Goldberger
6. *On the Equivalence of Holographic and Complex Embeddings for Knowledge Graph Completion*
Authors: Katsuhiko Hayashi and Masashi Shimbo

Machine Translation

1. *Alternative Objective Functions for Training MT Evaluation Metrics*
Authors: Miloš Stanojević and Khalil Sima'an
2. *An Empirical Comparison of Domain Adaptation Methods for Neural Machine Translation*
Authors: Chenhui Chu, Raj Dabre and Sadao Kurohashi
3. *Attention Strategies for Multi-Source Sequence-to-Sequence Learning*
Authors: Jindřich Libovický and Jindřich Helcl
4. *Chunk-Based Bi-Scale Decoder for Neural Machine Translation*
Authors: Hao Zhou, Zhaopeng Tu, Shujian Huang, Xiaohua Liu, Hang Li and Jiajun Chen
5. *Data Augmentation for Low-Resource Neural Machine Translation*
Authors: Marzieh Fadaee, Arianna Bisazza and Christof Monz
6. *Efficient Extraction of Pseudo-Parallel Sentences from Raw Monolingual Data Using Word Embeddings*
Authors: Benjamin Marie and Atsushi Fujita
7. *Hybrid Neural Network Alignment and Lexicon Model in Direct HMM for Statistical Machine Translation*
Authors: Weiyue Wang, Derui Zhu and Hermann Ney
8. *Learning to Parse and Translate Improves Neural Machine Translation*
Authors: Akiko Eriguchi, Yoshimasa Tsuruoka and Kyunghyun Cho
9. *Neural System Combination for Machine Translation*
Authors: Long Zhou, Wenpeng Hu, Jiajun Zhang and Chengqing Zong
10. *Sentence Embedding for Neural Machine Translation Domain Adaptation*
Authors: Rui Wang, Andrew Finch, Masao Utiyama and Eiichiro Sumita
11. *Speeding up Neural Machine Translation Decoding by Shrinking Run-time Vocabulary*
Authors: Xing Shi and Kevin Knight
12. *Towards String-To-Tree Neural Machine Translation*
Authors: Roei Aharoni and Yoav Goldberg

Multidisciplinary

1. *Automatic Composer Attribution in the First Folio of Shakespeare*
Authors: Maria Ryskina, Hannah Alpert-Abrams, Dan Garrette and Taylor Berg-Kirkpatrick
2. *Detection of Chinese Word Usage Errors for Non-Native Chinese Learners with Bidirectional LSTM*
Authors: Yow-Ting Shiue, Hen-Hsen Huang and Hsin-Hsi Chen
3. *Error-repair Dependency Parsing for Ungrammatical Texts*
Authors: Keisuke Sakaguchi, Matt Post and Benjamin Van Durme
4. *Exploring Neural Text Simplification Models*
Authors: Sergiu Nisioi, Sanja Štajner, Simone Paolo Ponzetto and Liviu P. Dinu
5. *Feature Hashing for Language and Dialect Identification*
Authors: Shervin Malmasi
6. *On the Challenges of Translating NLP Research into Commercial Products*
Authors: Daniel Dahlmeier

Multilingual

1. *EuroSense: Automatic Harvesting of Multilingual Sense Annotations from Parallel Text*
Authors: Claudio Delli Bovi, Jose Camacho-Collados, Alessandro Raganato and Roberto Navigli
2. *Incorporating Dialectal Variability for Socially Equitable Language Identification*
Authors: David Jurgens, Yulia Tsvetkov and Dan Jurafsky
3. *Model Transfer for Tagging Low-resource Languages without Bilingual Corpora*
Authors: Meng Fang and Trevor Cohn

Phonology Morphology Word Segmentation

1. *Challenging Language-Dependent Segmentation for Arabic: An Application to Machine Translation and Part-of-Speech Tagging*
Authors: Hassan Sajjad, Fahim Dalvi, Nadir Durrani, Ahmed Abdelali, Yonatan Belinkov and Stephan Vogel
2. *Evaluation of Compound Splitting with Textual Entailment*
Authors: Glorianna Jagfeld, Patrick Ziering and Lonneke van der Plas
3. *Fast and Accurate Neural Word Segmentation*
Authors: Deng Cai and Hai Zhao

Resources Evaluation

1. *“Liar, Liar Pants on Fire” : A New Benchmark Dataset for Fake News Detection*
Authors: William Yang Wang
2. *Constructing Large-Scale Japanese Image Caption Dataset*
Authors: Yuya Yoshikawa, Yutaro Shigeto and Akikazu Takeuchi
3. *English Multiword Expression-aware Dependency Parsing including Named Entities*
Authors: Akihiko Kato, Hiroyuki Shindo and Yuji Matsumoto
4. *Sentence Alignment Methods for Improving Text Simplification Systems*
Authors: Sanja Štajner, Marc Franco-Salvador, Simone Paolo Ponzetto, Paolo Rosso and Heiner Stuckenschmidt
5. *Understanding Task Design Trade-offs in Crowdsourced Paraphrase Collection*
Authors: Youxuan Jiang, Jonathan K. Kummerfeld and Walter S. Lasecki

Semantics

1. *AMR-to-text Generation with Synchronous Node Replacement Grammar*
Authors: Linfeng Song, Xiaochang Peng, Yue Zhang, Zhiguo Wang and Daniel Gildea
2. *Geometry of Sentences*
Authors: Jiaqi Mu, Suma Bhat and Pramod Viswanath
3. *Improving Semantic Composition with Offset Inference*
Authors: Thomas Kober, Julie Weeds, Jeremy Reffin and David Weir
4. *Learning Topic-Sensitive Word Representations*
Authors: Marzieh Fadaee, Arianna Bisazza and Christof Monz
5. *Methodical Evaluation of Arabic Word Embeddings*
Authors: Mohammed Elrazzaz, Chadi Helwe, Shady Elbassuoni and Khaled Shaban
6. *Neural Architectures for Multilingual Semantic Parsing*
Authors: Raymond Hendy Susanto and Wei Lu
7. *Neural Semantic Parsing over Multiple Knowledge-bases*
Authors: Jonathan Herzig and Jonathan Berant
8. *Temporal Word Analogies: Identifying Lexical Replacement with Diachronic Word Embeddings*
Authors: Terrence Szymanski
9. *The Value of Curated Negative Examples: Strong Baselines for Story Cloze Tasks*
Authors: Zheng Cai, Lifu Tu and Kevin Gimpel

Sentiment Analysis Opinion Mining

1. *Best-Worst Scaling More Reliable than Rating Scales: A Case Study on Sentiment Intensity Annotation*
Authors: Svetlana Kiritchenko and Saif Mohammad

2. *Exploiting Domain Knowledge via Grouped Weight Sharing with Application to Text Categorization*
Authors: Ye Zhang, Matthew Lease and Byron C. Wallace
3. *Learning Lexical-Functional Patterns for First-Person Affect*
Authors: Lena Reed, Jiaqi Wu, Shereen Oraby, Pranav Anand and Marilyn Walker
4. *Multilingual Connotation Frames: A Case Study on Social Media for Targeted Sentiment Analysis and Forecast*
Authors: Hannah Rashkin, Eric Bell, Yejin Choi and Svitlana Volkova
5. *Supervised Aspect Extraction with Knowledge Retention*
Authors: Lei Shu, Hu Xu and Bing Liu
6. *Understanding and Detecting Diverse Supporting Arguments on Controversial Issues*
Authors: Xinyu Hua and Lu Wang

Social Media

1. *A Network Framework for Noisy Label Aggregation in Social Media*
Authors: Xueying Zhan, Yaowei Wang, Yanghui Rao, Haoran Xie, Qing Li, Fu Lee Wang and Tak-Lam Wong
2. *A Neural Model for User Geolocation and Lexical Dialectology*
Authors: Afshin Rahimi, Trevor Cohn and Timothy Baldwin
3. *Demographic Inference on Twitter using Recursive Neural Networks*
Authors: Sunghwan Mac Kim, Qionghai Xu, Lizhen Qu and Stephen Wan
4. *Determining Whether and When People Participate in the Events They Tweet About*
Authors: krishna sanagavarapu, Alakananda Vempala and Eduardo Blanco
5. *Improving Semantic Relevance for Chinese Social Media Text Summarization*
Authors: Shuming Ma and Xu Sun
6. *On the Distribution of Lexical Features in Social Media*
Authors: Fatemeh Almodaresi, Lyle Ungar, Vivek Kulkarni, Mohsen Zakeri, Salvatore Giorgi and H. Andrew Schwartz
7. *Recognizing Counterfactual Thinking in Social Media Texts*
Authors: Youngseo Son, Anneke Buffone, H. Andrew Schwartz and Lyle Ungar
8. *Separating Facts from Fiction: Linguistic Models to Classify Suspicious and Trusted News Posts on Twitter*
Authors: Kyle Shaffer, Jin Yea Jang, Nathan Hodas and Svitlana Volkova
9. *Temporal Orientation of Tweets for Predicting Income of User*
Authors: Mohammed Hasanuzzaman, Sabyasachi Kamila, Mandeep Kaur, Sriparna Saha and Asif Ekbal
10. *Twitter Demographic Classification using deep Multi-modal Multi-task Learning*
Authors: Soroush Vosoughi, Prashanth Vijayaraghavan and Deb Roy

Speech

1. *Incorporating Uncertainty into Deep Learning for Spoken Language Assessment*

Authors: Andrey Malinin, Anton Ragni, Kate Knill and Mark Gales

Tagging Chunking Syntax Parsing

1. *A Generative Parser with a Discriminative Recognition Algorithm*
Authors: Jianpeng Cheng, Adam Lopez and Mirella Lapata
2. *Arc-swift: A Novel Transition System for Dependency Parsing*
Authors: Peng Qi and Christopher D. Manning
3. *Character Composition Model with Convolutional Neural Networks for Dependency Parsing on Morphologically Rich Languages*
Authors: Xiang Yu and Ngoc Thang Vu
4. *Character-Aware Neural Morphological Disambiguation*
Authors: Alymzhan Toleu, Gulmira Tolegen and Aibek Makazhanov
5. *How (not) to train a dependency parser: The curious case of jackknifing part-of-speech taggers*
Authors: Željko Agić and Natalie Schluter
6. *Parser Adaptation for Social Media by Integrating Normalization*
Authors: Rob van der Goot and Gertjan van Noord
7. *Separating Reranking Effects from Model Combination Effects in Generative Neural Constituency Parsers*
Authors: Daniel Fried, Mitchell Stern and Dan Klein

Vision Robots Grounding

1. *A Corpus of Compositional Language for Visual Reasoning*
Authors: Alane Suhr, Mike Lewis, James Yeh and Yoav Artzi
2. *A Survey on Action Recognition Datasets and Tasks for Still Images*
Authors: Spandana Gella and Frank Keller

Accepted Software Demonstrations

1. *Extended Named Entity Recognition API and Its Applications in Language Education*
Authors: Tuan Duc Nguyen, Khai Mai, Thai-Hoang Pham, Minh Trung Nguyen, Truc-Vien T. Nguyen, Takashi Eguchi, Ryohei Sasano and Satoshi Sekine
2. *Swanson linking revisited: Accelerating literature-based discovery across domains using a conceptual influence graph*

Authors: Gus Hahn-Powell, Marco A. Valenzuela-Escárcega and Mihai Surdeanu

3. *OpenNMT: Open-Source Toolkit for Neural Machine Translation*
Authors: Guillaume Klein, Yoon Kim, Yuntian Deng, Jean Senellart and Alexander M. Rush
4. *RelTextRank: An Open Source Framework for Building Relational Syntactic-Semantic Text Pair Representations*
Authors: Kateryna Tymoshenko, Alessandro Moschitti, Massimo Nicosia and Aliaksei Severyn
5. *Scattertext: a Browser-Based Tool for Visualizing how Corpora Differ*
Authors: Jason Kessler
6. *Benben: A Chinese Intelligent Conversational Robot*
Authors: Wei-Nan Zhang, Ting Liu, Bing Qin, Yu Zhang, Wanxiang Che, Yanyan Zhao and Xiao Ding
7. *Zara Returns: Improved Personality Induction and Adaptation by an Empathetic Virtual Agent*
Authors: Pascale Fung, Farhad Bin Siddique, Onno Kampman, Yang Yang and Anik Dey
8. *Hafez: an interactive poetry generation system*
Authors: Marjan Ghazvininejad, Xing Shi, Jay Priyadarshi and Kevin Knight
9. *SuperAgent: A Customer Service Chatbot for E-commerce Websites*
Authors: Lei Cui, Shaohan Huang, Furu Wei, Chuanqi Tan, Chaoqun Duan and Ming Zhou
10. *End-to-End Non-Factoid Question Answering with an Interactive Visualization of Neural Attention Weights*
Authors: Andreas Rücklé and Iryna Gurevych
11. *Automating Biomedical Evidence Synthesis: RobotReviewer*
Authors: Iain Marshall, Joël Kuiper, Edward Banner and Byron C. Wallace
12. *Interactive Visual Analysis of Transcribed Multi-Party Discourse*
Authors: Mennatallah El-Assady, Annette Hautli-Janisz, Valentin Gold, Miriam Butt, Katharina Holzinger and Daniel Keim
13. *CU-PyDial: A Multi-domain Statistical Dialogue System Toolkit*
Authors: Stefan Ultes, Lina M. Rojas Barahona, Pei-Hao Su, David Vandyke, Dongho Kim, Iñigo Casanueva, Paweł Budzianowski, Nikola Mrkšić, Tsung-Hsien Wen, Milica Gasic and Steve Young
14. *UCCAApp: Web-application for Syntactic and Semantic Phrase-based Annotation*
Authors: Omri Abend, Shai Yerushalmi and Ari Rappoport
15. *Multi-level Semantic Literature Search for the Life Sciences with Semedico*
Authors: Erik Faessler and Udo Hahn
16. *Olelo: A Question Answering Application for Biomedicine*
Authors: Mariana Neves, Hendrik Folkerts, Marcel Jankrift, Julian Niedermeier, Toni Stachewicz, Sören Tietböhl and Milena Kraus

17. *Exploring Diachronic Lexical Semantics with JEDISEM*
 Authors: Johannes Hellrich and Udo Hahn
18. *LifeNet: A Structured Network-Based Knowledge Exploration and Analytics System for Life Sciences*
 Authors: Xiang Ren, Jiaming Shen, Meng Qu, Xuan Wang, Zeqiu Wu, Qi Zhu, Meng Jiang, Fangbo Tao, Saurabh Sinha, David Liem, Peipei Ping, Richard Weinshilboum and Jiawei Han
19. *Annotating tense, mood and voice for English, French and German*
 Authors: Anita Ramm, Sharid Lođiciga, Annemarie Friedrich and Alexander Fraser
20. *ESTEEM: A Novel Framework for Qualitatively Evaluating and Visualizing Spatiotemporal Embeddings in Social Media*
 Authors: Dustin Arendt and Svitlana Volkova
21. *WebChild++ : Fine-Grained Commonsense Knowledge Distillation*
 Authors: Niket Tandon, Gerard de Melo and Gerhard Weikum

Transactions of the ACL articles to be presented at ACL 2017

These articles have been accepted and published by the *Transactions of the Association for Computational Linguistics* and will be featured as oral presentations at ACL 2017.

1. *Decoding Anagrammed Texts Written in an Unknown Language and Script*
 Authors: Bradley Hauer and Grzegorz Kondrak
2. *Visually Grounded and Textual Semantic Models Differentially Decode Brain Activity Associated with Concrete and Abstract Nouns*
 Authors: Andrew J. Anderson, Douwe Kiela, Stephen Clark, Massimo Poesio
3. *Evaluating Visual Representations for Topic Understanding and Their Effects on Manually Generated Labels*
 Authors: Alison Smith, Tak Yeon Lee, Forough-Poursabzi Sangdeh, Jordan Boyd-Graber, Niklas Elmqvist, Leah Findlater
4. *Joint Semantic Synthesis and Morphological Analysis of the Derived Word*
 Authors: Ryan Cotterell and Hinrich Schütze
5. *Learning to Prune: Exploring the Frontier of Fast and Accurate Parsing*
 Authors: Tim Vieira, Jason Eisner
6. *Head-Lexicalized Bidirectional Tree LSTMs*
 Authors: Zhiyang Teng and Yue Zhang
7. *Context Gates for Neural Machine Translation*
 Authors: Zhaopeng Tu, Yang Liu, Zhengdong Lu, Xiaohua Liu, and Hang Li
8. *Modeling Semantic Expectation: Using Script Knowledge for Referent Prediction*
 Authors: Ashutosh Modi, Ivan Titov, Vera Demberg, Asad Sayeed, Manfred Pinkal

9. *Enriching Word Vectors with Subword Information*
Authors: Piotr Bojanowski, Edouard Grave, Armand Joulin and Tomas Mikolov
10. *Winning on the Merits: The Joint Effects of Content and Style on Debate Outcomes*
Authors: Lu Wang, Nick Beauchamp, Sarah Shugars, Kechen Qin
11. *Overcoming Language Variation in Sentiment Analysis with Social Attention*
Authors: Yi Yang, Jacob Eisenstein
12. *Cross-Sentence N-ary Relation Extraction with Graph LSTMs*
Authors: Nanyun Peng, Hoifung Poon, Chris Quirk, Kristina Toutanova, Wen-Tau Yih
13. *Unsupervised Learning of Morphological Forests*
Authors: Jiaming Luo, Karthik Narasimhan, Regina Barzilay
14. *Fully Character-Level Neural Machine Translation without Explicit Segmentation*
Authors: Jason Lee, Kyunghyun Cho, Thomas Hofmann
15. *Fine-Grained Prediction of Syntactic Typology: Discovering Latent Structure with Supervised Learning*
Authors: Dingquan Wang and Jason Eisner
16. *Sparse Coding of Neural Word Embeddings for Multilingual Sequence Labeling*
Authors: Gábor Berend
17. *Domain-Targeted, High Precision Knowledge Extraction*
Authors: Bhavana Dalvi, Niket Tandon, Peter Clark
18. *Ordinal Common-sense Inference*
Authors: Sheng Zhang, Rachel Rudinger, Kevin Duh, Benjamin Van Durme
19. *Pushing the Limits of Translation Quality Estimation*
Authors: André F. T. Martins, Marcin Junczys-Dowmunt, Fabio N. Kepler, Ramón Astudillo, Chris Hokamp, Roman Grundkiewicz
20. *A Generative Model of Phonotactics*
Authors: Richard Futrell, Adam Albright, Peter Graff, and Timothy J. O’Donnell
21. *A Polynomial-Time Dynamic Programming Algorithm for Phrase-Based Decoding with a Fixed Distortion Limit*
Authors: Yin-Wen Chang and Michael Collins