Short papers

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Heike Adel and Hinrich Schütze	Global Normalization of Convolutional Neural Networks for Joint Entity and Relation Classification
Alham Fikri Aji and Kenneth Heafield	Sparse Communication for Distributed Gradient Descent
Md Shad Akhtar, Abhishek Kumar, Deepanway Ghosal, Asif Ekbal and Pushpak Bhattacharyya	A Multilayer Perceptron based Ensemble Technique for Fine- grained Financial Sentiment Analysis
Jacob Andreas and Dan Klein	Analogs of Linguistic Structure in Deep Representations
Tatsuya Aoki, Ryohei Sasano, Hiroya Takamura and Manadu Okumura	Distinguishing Japanese Non-standard Usages from Standard Ones
Zhenisbek Assylbekov, Rustem Takhanov, Bagdat Myrzakhmetov and Jonathan N. Washington	Syllable-aware Neural Language Models: A Failure to Beat Character-aware Ones
Miguel Ballesteros and Yaser Al-Onaizan	AMR Parsing using Stack-LSTMs
Antonio Valerio Miceli Barone, Barry Haddow, Ulrich Germann and Rico Sennrich	Regularization techniques for fine-tuning in neural machine translation
Rachel Bawden	Machine Translation, it's a question of style, innit? The case of English tag questions
Jan A. Botha, Emily Pitler, Ji Ma, Anton Bakalov, Alex Salcianu, David Weiss, Ryan McDonald and Slav Petrov	Natural Language Processing with Small Feed-Forward Networks
Jiong Cai, Yong Jiang and Kewei Tu	CRF Autoencoder for Unsupervised Dependency Parsing
Andrew Cattle and Xiaojuan Ma	Predicting Word Association Strengths

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Yin-Wen Chang and Michael Collins	Source-Side Left-to-Right or Target-Side Left-to-Right? An Empirical Comparison of Two Phrase-Based Decoding Algorithms
Kehai Chen, Rui Wang, Masao Utiyama, Lemao Liu, Akihiro Tamura, Eiichiro Sumita and Tiejun Zhao	Neural Machine Translation with Source Dependency Representation
Prafulla Kumar Choubey and Ruihong Huang	A Sequential Model for Classifying Temporal Relations between Intra-Sentence Events
Oana Cocarascu and Francesca Toni	Identifying attack and support argumentative relations using deep learning
Ryan Cotterell, Ekaterina Vylomova, Huda Khayrallah, Christo Kirov and David Yarowsky	Paradigm Completion for Derivational Morphology
Jacob Devlin	Sharp Models on Dull Hardware: Fast and Accurate Neural Machine Translation Decoding on the CPU
Tobias Domhan and Felix Hieber	Using Target-side Monolingual Data for Neural Machine Translation through Multi-task Learning
Zi-Yi Dou	Capturing User and Product Information for Document Level Sentiment Analysis with Deep Memory Network
Xinya Du and Claire Cardie	Identifying Where to Focus in Reading Comprehension for Neural Question Generation
Mihai Dusmanu, Elena Cabrio and Serena Villata	Argument Mining on Twitter: Arguments, Facts and Sources
Jared Fernandez, Zhaocheng Yu and Doug Downey	VecShare: A Framework for Sharing Word Representation Vectors
Annemarie Friedrich and Damyana Gateva	Classification of telicity using cross-linguistic annotation projection
Cheng-Yang Fu, Joon Lee, Mohit Bansal and Alexander Berg	Video Highlight Prediction Using Audience Chat Reactions

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Varun Gangal, Harsh Jhamtani, Graham Neubig, Eduard Hovy and Eric Nyberg	Charmanteau: Character Embedding Models For Portmanteau Creation
Clément Gautrais, Peggy Cellier, René Quiniou and Alexandre Termier	Topic Signatures in Political Campaign Speeches
Spandana Gella, Rico Sennrich, Frank Keller and Mirella Lapata	Image Pivoting for Learning Multilingual Multimodal Representations
Tanya Goyal, Sachin Kelkar, Manas Agarwal and Jeenu Grover	An Empirical Analysis of Edit Importance between Document Versions
Arihant Gupta, Syed Sarfaraz Akhtar, Avijit Vajpayee, Arjit Srivastava, Madan Gopal Jhanwar and Manish Shrivastava	Exploiting Morphological Regularities in Distributional Word Representations
E. Dario Gutierrez, Guillermo Cecchi, Cheryl Corcoran and Philip Corlett	Using Automated Metaphor Identification to Aid in Detection and Prediction of First-Episode Schizophrenia
Dan Han, Pascual Martínez-Gómez and Koji Mineshima	Visual Denotations for Recognizing Textual Entailment
Wenjuan Han, Yong Jiang and Kewei Tu	Dependency Grammar Induction with Neural Lexicalization and Big Training Data
Souleiman Hasan and Edward Curry	Word Re-Embedding via Manifold Dimensionality Retention
Benjamin Heinzerling, Nafise Sadat Moosavi and Michael Strube	Revisiting Selectional Preferences for Coreference Resolution
Aurélie Herbelot and Marco Baroni	High-risk learning: acquiring new word vectors from tiny data
YiYao Huang and William Yang Wang	Deep Residual Learning for Weakly-Supervised Relation Extraction
Liang Huang, Kai Zhao and Mingbo Ma	When to Finish? Optimal Beam Search for Neural Text Generation (modulo beam size)

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Zhuoxuan Jiang, Shanshan Feng, Gao Cong, Chunyan Miao and Xiaoming Li	A Novel Cascade Model for Learning Latent Similarity from Heterogeneous Sequential Data of MOOC
Yong Jiang, Wenjuan Han and Kewei Tu	Combining Generative and Discriminative Approaches to Unsupervised Dependency Parsing via Dual Decomposition
Khalid Al Khatib, Henning Wachsmuth, Matthias Hagen and Benno Stein	Patterns of Argumentation Strategies across Topics
Joo-Kyung Kim, Young-Bum Kim, Ruhi Sarikaya and Eric Fosler-Lussier	Cross-Lingual Transfer Learning for POS Tagging without Cross- Lingual Resources
Satwik Kottur, José Moura, Stefan Lee and Dhruv Batra	Natural Language Does Not Emerge 'Naturally' in Multi-Agent Dialog
Andrey Kutuzov, Erik Velldal and Lilja Øvrelid	Temporal dynamics of semantic relations in word embeddings: an application to predicting armed conflict participants
Thomas Lavergne and François Yvon	Learning the Structure of Variable-Order CRFs: a finite-state perspective
Xin Li and Wai Lam	Deep Multi-Task Learning for Aspect Term Extraction with Memory Interaction
Peng-Hsuan Li, Ruo-Ping Dong, Yu-Siang Wang, Ju-Chieh Chou and Wei-Yun Ma	Leveraging Linguistic Structures for Named Entity Recognition with Bidirectional Recursive Neural Networks
Shen Li, Zhe Zhao, Tao Liu, Renfen Hu and Xiaoyong Du	Initializing Convolutional Filters with Semantic Features for Text Classification
Haijing Liu, Yang Gao, Pin Lv, Mengxue Li, Shiqiang Geng, Minglan Li and Hao Wang	Using Argument-based Features to Predict and Analyse Review Helpfulness
Tianyu Liu, Kexiang Wang, Baobao Chang and Zhifang Sui	A Soft-label Method for Noise-tolerant Distantly Supervised Relation Extraction

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You Lu, Jeffrey Lund and Jordan Boyd-Graber	Why ADAGRAD Fails for Online Topic Modeling
Chaitanya Malaviya, Graham Neubig and Patrick Littell	Learning Language Representations for Typology Prediction
Nitika Mathur, Timothy Baldwin and Trevor Cohn	Sequence Effects in Crowdsourced Annotations
Oren Melamud, Ido Dagan and Jacob Goldberger	A Simple Language Model based on PMI Matrix Approximations
Stefano Menini, Federico Nanni, Simone Paolo Ponzetto and Sara Tonelli	Topic-Based Agreement and Disagreement in US Electoral Manifestos
David Mimno and Laure Thompson	The strange geometry of skip-gram with negative sampling
Mathieu Morey, Philippe Muller and Nicholas Asher	How much progress have we made on RST discourse parsing? A replication study of recent results on the RST-DT
Jesse Mu, Joshua K. Hartshorne and Timothy O'Donnell	Evaluating Hierarchies of Verb Argument Structure with Hierarchical Clustering
Vivi Nastase and Carlo Strapparava	Word Etymology as Native Language Interference
Xing Niu, Marianna Martindale and Marine Carpuat	A Study of Style in Machine Translation: Controlling the Formality of Machine Translation Output
Enrique Noriega-Atala, Marco A. Valenzuela-Escárcega, Clayton Morrison and Mihai Surdeanu	Learning what to read: Focused machine reading
Takamasa Oshikiri	Segmentation-Free Word Embedding for Unsegmented Languages
Natalie Parde and Rodney Nielsen	Finding Patterns in Noisy Crowds: Regression-based Annotation Aggregation for Crowdsourced Data

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Nima Pourdamghani and Kevin Knight	Deciphering Related Languages
Daniel Preoţiuc-Pietro, Sharath Chandra Guntuku and Lyle Ungar	Controlling Human Perception of Basic User Traits
Jay Pujara, Eriq Augustine and Lise Getoor	Sparsity and Noise: Where Knowledge Graph Embeddings Fall Short
Hannah Rashkin, Eunsol Choi, Jin Yea Jang, Svitlana Volkova and Yejin Choi	Truth of Varying Shades: Analyzing Language in Fake News and Political Fact-Checking
Joseph Sanu, Mingbin Xu, Hui Jiang and Quan Liu	Word Embeddings based on Fixed-Size Ordinally Forgetting Encoding
Maarten Sap, Marcella Cindy Prasetio, Ari Holtzman, Hannah Rashkin and Yejin Choi	Connotation Frames of Power and Agency in Modern Films
Kanthashree Mysore Sathyendra, Shomir Wilson, Florian Schaub, Sebastian Zimmeck and Norman Sadeh	Identifying the Provision of Choices in Privacy Policy Text
Allen Schmaltz, Yoon Kim, Alexander Rush and Stuart Shieber	Adapting Sequence Models for Sentence Correction
Raksha Sharma, Arpan Somani, Lakshya Kumar and Pushpak Bhattacharyya	Sentiment Intensity Ranking among Adjectives Using Sentiment Bearing Word Embeddings
Aditya Sharma, Zarana Parekh and Partha Talukdar	Speeding up Reinforcement Learning-based Information Extraction Training using Asynchronous Methods
Eyal Shnarch, Ran Levy, Vikas Raykar and Noam Slonim	GRASP: Rich Patterns for Argumentation Mining
Lei Shu, Hu Xu and Bing Liu	DOC: Deep Open Classification of Text Documents

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Lucas Sterckx, Jason Naradowsky, Bill Byrne, Thomas Demeester and Chris Develder	Break it Down for Me: A Study in Automated Lyric Annotation
Mitchell Stern, Daniel Fried and Dan Klein	Effective Inference for Generative Neural Parsing
Karl Stratos	A Sub-Character Architecture for Korean Language Processing
Siliang Tang, Ning Zhang, Jinjiang Zhang, Fei Wu and Yueting Zhuang	NITE: A Neural Inductive Teaching Framework for Domain Specific NER
Quan Hung Tran, Ingrid Zukerman and Gholamreza Haffari	Preserving Distributional Information in Dialogue Act Classification
Ferhan Ture and Oliver Jojic	No Need to Pay Attention: Simple Recurrent Neural Networks Work!
Kateryna Tymoshenko, Daniele Bonadiman and Alessandro Moschitti	Ranking Kernels for Structures and Embeddings: A Hybrid Preference and Classification Model
Ashwin Vijayakumar, Ramakrishna Vedantam and Devi Parikh	Sound-Word2Vec: Learning Word Representations Grounded in Sounds
Longyue Wang, Zhaopeng Tu, Andy Way and Qun Liu	Exploiting Cross-Sentence Context for Neural Machine Translation
Rui Wang, Masao Utiyama, Lemao Liu, Kehai Chen and Eiichiro Sumita	Instance Weighting for Neural Machine Translation Domain Adaptation
Shaonan Wang, Jiajun Zhang and Chengqing Zong	Exploiting Word Internal Structures for Generic Chinese Sentence Representation
Liang Wang, Sujian Li, Yajuan Lv and Houfeng WANG	Learning to Rank Semantic Coherence for Topic Segmentation
Yi Wu, David Bamman and Stuart Russell	Adversarial Training for Relation Extraction

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Wei Yang, Wei Lu and Vincent Zheng	A Simple Regularization-based Algorithm for Learning Cross- Domain Word Embeddings
Weiwei Yang, Jordan Boyd-Graber and Philip Resnik	Adapting Topic Models using Lexical Associations with Tree Priors
Semih Yavuz, Izzeddin Gur, Yu Su and Xifeng Yan	Recovering Question Answering Errors via Query Revision
Licheng Yu, Mohit Bansal and Tamara Berg	Hierarchically-Attentive RNN for Album Summarization and Storytelling
Liang-Chih Yu, Jin Wang, K. Robert Lai and Xuejie Zhang	Refining Word Embeddings for Sentiment Analysis
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Sina Zarrieß and David Schlangen	Deriving continous grounded meaning representations from referentially structured multimodal contexts
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Zhirui Zhang, Shujie Liu, Mu Li, Ming Zhou and Enhong Chen	Stack-based Multi-layer Attention for Transition-based Dependency Parsing
Jianmin Zhang and Xiaojun Wan	Towards Automatic Construction of News Overview Articles by News Synthesis

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Jie Zhao, Yu Su, Ziyu Guan and Huan Sun	An End-to-End Deep Framework for Answer Triggering with a Novel Group-Level Objective
Hao Zhou, Zhenting Yu, Yue Zhang, Shujian Huang, XIN-YU DAI and Jiajun Chen	Word-Context Character Embeddings for Chinese Word Segmentation

Long papers

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Hadi Amiri, Timothy Miller and Guergana Savova	Repeat before Forgetting: Spaced Repetition for Efficient and Effective Training of Neural Networks
Peter Anderson, Basura Fernando, Mark Johnson and Stephen Gould	Guided Open Vocabulary Image Captioning with Constrained Beam Search
Yuki Arase and Jun'ichi Tsujii	Monolingual Phrase Alignment on Parse Forests
Adam St Arnaud, David Beck and Grzegorz Kondrak	Identifying Cognate Sets Across Dictionaries of Related Languages
Ehsaneddin Asgari and Hinrich Schütze	Past, Present, Future: A Computational Investigation of the Typology of Tense in 1000 Languages
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Denny Britz, Melody Guan and Minh-Thang Luong	Efficient Attention using a Fixed-Size Memory Representation
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Luana Bulat, Stephen Clark and Ekaterina Shutova	Speaking, Seeing, Understanding: Correlating semantic models with conceptual representation in the brain
lacer Calixto, Qun Liu and Nick Campbell	Incorporating Global Visual Features into Attention-based Neural Machine Translation.
Junjie Cao, Sheng Huang, Weiwei Sun and Xiaojun Wan	Quasi-Second-Order Parsing for 1-Endpoint-Crossing, Pagenumber-2 Graphs
Arun Chaganty, Ashwin Paranjape, Percy Liang and Christopher D. Manning	Importance sampling for unbiased on-demand evaluation of knowledge base population
Cheng Chang, Runzhe Yang, Lu Chen, Xiang Zhou and Kai Yu	Affordable On-line Dialogue Policy Learning
Snigdha Chaturvedi, Haoruo Peng and Dan Roth	Story Comprehension for Predicting What Happens Next
Peng Chen, Zhongqian Sun, Lidong Bing and Wei Yang	Recurrent Attention Network on Memory for Aspect Sentiment Analysis
Lu Chen, Xiang Zhou, Cheng Chang, Runzhe Yang and Kai Yu	Agent-Aware Dropout DQN for Safe and Efficient On-line Dialogue Policy Learning
Hao Cheng, Hao Fang and Mari Ostendorf	A Factored Neural Network Model for Characterizing Online Discussions in Vector Space

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Alexis Conneau, Douwe Kiela, Holger Schwenk, Loïc Barrault and Antoine Bordes	Supervised Learning of Universal Sentence Representations from Natural Language Inference Data
Caio Corro, Joseph Le Roux and Mathieu Lacroix	Efficient Discontinuous Phrase-Structure Parsing via the Generalized Maximum Spanning Arborescence
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haim dubossarsky, Daphna Weinshall and Eitan Grossman	Outta Control: Laws of Semantic Change and Inherent Biases in Word Representation Models
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Aparna Garimella, Carmen Banea and Rada Mihalcea	Demographic-aware word associations

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Chen Gong, Zhenghua Li, Min Zhang and Xinzhou Jiang	Multi-Grained Chinese Word Segmentation
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Mark Hopkins, Cristian Petrescu-Prahova, Roie Levin, Ronan Le Bras, Alvaro Herrasti and Vidur Joshi	Beyond Sentential Semantic Parsing: Tackling the Math SAT with a Cascade of Tree Transducers
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Nabil Hossain, John Krumm, Lucy Vanderwende, Eric Horvitz and Henry Kautz	Filling the Blanks (hint: plural noun) for Mad Libs Humor
Lifu Huang, Avirup Sil, Heng Ji and Radu Florian	Improving Slot Filling Performance with Attentive Neural Networks on Dependency Structures
Danqing Huang, Shuming Shi, Chin-Yew Lin and Jian Yin	Learning Fine-Grained Expressions to Solve Math Word Problems
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Pierre Isabelle, Colin Cherry and George Foster	A Challenge Set Approach to Evaluating Machine Translation
Masaru Isonuma, Toru Fujino, Junichiro Mori, Yutaka Matsuo and Ichiro Sakata	Extractive Summarization Using Multi-Task Learning with Document Classification
Yangfeng Ji, Chenhao Tan, Sebastian Martschat, Yejin Choi and Noah A. Smith	Dynamic Entity Representations in Neural Language Models
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Man Lan, Jianxiang Wang, Yuanbin Wu, Zheng-Yu Niu and Haifeng Wang	Multi-task Attention-based Neural Networks for Implicit Discourse Relationship Representation and Identification
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Liyuan Liu, Xiang Ren, Qi Zhu, Shi Zhi, Huan Gui, Heng Ji and Jiawei Han	Heterogeneous Supervision for Relation Extraction: A Representation Learning Approach
Rui Liu, Junjie Hu, Wei Wei, Zi Yang and Eric Nyberg	Structural Embedding of Syntactic Trees for Machine Comprehension
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Diego Marcheggiani and Ivan Titov	Encoding Sentences with Graph Convolutional Networks for Semantic Role Labeling
André F. T. Martins and Julia Kreutzer	Learning What's Easy: Fully Differentiable Neural Easy-First Taggers
Stephen Mayhew, Chen-Tse Tsai and Dan Roth	Cheap Translation for Cross-Lingual Named Entity Recognition

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Alex Morales and Chengxiang Zhai	Identifying Humor in Reviews using Background Text Sources
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