

**Conference of the North American
Chapter of the Association for
Computational Linguistics:
Human Language Technologies**

(NAACL HLT 2015)

**Denver, Colorado, USA
31 May – 5 June 2015**

Volume 1 of 2

ISBN: 978-1-5108-0445-6

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2015) by the Association for Computational Linguistics
All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact the Association for Computational Linguistics
at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006
Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>Unsupervised Induction of Semantic Roles within a Reconstruction-Error Minimization Framework</i> Ivan Titov and Ehsan Khoddam	1
<i>Predicate Argument Alignment using a Global Coherence Model</i> Travis Wolfe, Mark Dredze and Benjamin Van Durme	11
<i>Improving unsupervised vector-space thematic fit evaluation via role-filler prototype clustering</i> Clayton Greenberg, Asad Sayeed and Vera Demberg	21
<i>A Compositional and Interpretable Semantic Space</i> Alona Fyshe, Leila Wehbe, Partha P. Talukdar, Brian Murphy and Tom M. Mitchell	32
<i>Randomized Greedy Inference for Joint Segmentation, POS Tagging and Dependency Parsing</i> Yuan Zhang, Chengtao Li, Regina Barzilay and Kareem Darwish	42
<i>An Incremental Algorithm for Transition-based CCG Parsing</i> Bharat Ram Ambati, Tejaswini Deoskar, Mark Johnson and Mark Steedman	53
<i>Because Syntax Does Matter: Improving Predicate-Argument Structures Parsing with Syntactic Features</i> Corentin Ribeyre, Eric Villemonte de la Clergerie and Djamé Seddah	64
<i>A Hybrid Generative/Discriminative Approach To Citation Prediction</i> Chris Tanner and Eugene Charniak	75
<i>Weakly Supervised Slot Tagging with Partially Labeled Sequences from Web Search Click Logs</i> Young-Bum Kim, Minwoo Jeong, Karl Stratos and Ruhi Sarikaya	84
<i>Not All Character N-grams Are Created Equal: A Study in Authorship Attribution</i> Upendra Sapkota, Steven Bethard, Manuel Montes and Thamar Solorio	93
<i>Effective Use of Word Order for Text Categorization with Convolutional Neural Networks</i> Rie Johnson and Tong Zhang	103
<i>Transition-Based Syntactic Linearization</i> Yijia Liu, Yue Zhang, Wanxiang Che and Bing Qin	113
<i>Extractive Summarisation Based on Keyword Profile and Language Model</i> Han Xu, Eric Martin and Ashesh Mahidadia	123
<i>HEADS: Headline Generation as Sequence Prediction Using an Abstract Feature-Rich Space</i> Carlos A. Colmenares, Marina Litvak, Amin Mantrach and Fabrizio Silvestri	133
<i>What's Cookin'? Interpreting Cooking Videos using Text, Speech and Vision</i> Jonathan Malmaud, Jonathan Huang, Vivek Rathod, Nicholas Johnston, Andrew Rabinovich and Kevin Murphy	143

<i>Combining Language and Vision with a Multimodal Skip-gram Model</i> Angeliki Lazaridou, Nghia The Pham and Marco Baroni	153
<i>Discriminative Unsupervised Alignment of Natural Language Instructions with Corresponding Video Segments</i> Iftekhhar Naim, Young C. Song, Qiguang Liu, Liang Huang, Henry Kautz, Jiebo Luo and Daniel Gildea	164
<i>TopicCheck: Interactive Alignment for Assessing Topic Model Stability</i> Jason Chuang, Margaret E. Roberts, Brandon M. Stewart, Rebecca Weiss, Dustin Tingley, Justin Grimmer and Jeffrey Heer	175
<i>Inferring latent attributes of Twitter users with label regularization</i> Ehsan Mohammady Ardehaly and Aron Culotta	185
<i>A Neural Network Approach to Context-Sensitive Generation of Conversational Responses</i> Alessandro Sordoni, Michel Galley, Michael Auli, Chris Brockett, Yangfeng Ji, Margaret Mitchell, Jian-Yun Nie, Jianfeng Gao and Bill Dolan	196
<i>How to Make a Frenemy: Multitape FSTs for Portmanteau Generation</i> Aliya Deri and Kevin Knight	206
<i>Aligning Sentences from Standard Wikipedia to Simple Wikipedia</i> William Hwang, Hannaneh Hajishirzi, Mari Ostendorf and Wei Wu	211
<i>Inducing Lexical Style Properties for Paraphrase and Genre Differentiation</i> Ellie Pavlick and Ani Nenkova	218
<i>Entity Linking for Spoken Language</i> Adrian Benton and Mark Dredze	225
<i>Spinning Straw into Gold: Using Free Text to Train Monolingual Alignment Models for Non-factoid Question Answering</i> Rebecca Sharp, Peter Jansen, Mihai Surdeanu and Peter Clark	231
<i>Personalized Page Rank for Named Entity Disambiguation</i> Maria Pershina, Yifan He and Ralph Grishman	238
<i>When and why are log-linear models self-normalizing?</i> Jacob Andreas and Dan Klein	244
<i>Deep Multilingual Correlation for Improved Word Embeddings</i> Ang Lu, Weiran Wang, Mohit Bansal, Kevin Gimpel and Karen Livescu	250
<i>Disfluency Detection with a Semi-Markov Model and Prosodic Features</i> James Ferguson, Greg Durrett and Dan Klein	257
<i>Empty Category Detection With Joint Context-Label Embeddings</i> Xun Wang, Katsuhito Sudoh and Masaaki Nagata	263

<i>Incrementally Tracking Reference in Human/Human Dialogue Using Linguistic and Extra-Linguistic Information</i>	
Casey Kennington, Ryu Iida, Takenobu Tokunaga and David Schlangen	272
<i>Digital Leafleting: Extracting Structured Data from Multimedia Online Flyers</i>	
Emilia Apostolova, Payam Pourashraf and Jeffrey Sack	283
<i>Multi-Target Machine Translation with Multi-Synchronous Context-free Grammars</i>	
Graham Neubig, Philip Arthur and Kevin Duh	293
<i>Sign constraints on feature weights improve a joint model of word segmentation and phonology</i>	
Mark Johnson, Joe Pater, Robert Staubs and Emmanuel Dupoux	303
<i>Semi-Supervised Word Sense Disambiguation Using Word Embeddings in General and Specific Domains</i>	
Kaveh Taghipour and Hwee Tou Ng	314
<i>Continuous Space Representations of Linguistic Typology and their Application to Phylogenetic Inference</i>	
Yugo Murawaki	324
<i>Interpreting Compound Noun Phrases Using Web Search Queries</i>	
Marius Pasca	335
<i>Lexicon-Free Conversational Speech Recognition with Neural Networks</i>	
Andrew Maas, Ziang Xie, Dan Jurafsky and Andrew Ng	345
<i>I Can Has Cheezburger? A Nonparanormal Approach to Combining Textual and Visual Information for Predicting and Generating Popular Meme Descriptions</i>	
William Yang Wang and Miaomiao Wen	355
<i>A Transition-based Algorithm for AMR Parsing</i>	
Chuan Wang, Nianwen Xue and Sameer Pradhan	366
<i>The Geometry of Statistical Machine Translation</i>	
Aurelien Waite and Bill Byrne	376
<i>Data-driven sentence generation with non-isomorphic trees</i>	
Miguel Ballesteros, Bernd Bohnet, Simon Mille and Leo Wanner	387
<i>Latent Domain Word Alignment for Heterogeneous Corpora</i>	
Hoang Cuong and Khalil Sima'an	398
<i>Extracting Human Temporal Orientation from Facebook Language</i>	
H. Andrew Schwartz, Gregory Park, Maarten Sap, Evan Weingarten, Johannes Eichstaedt, Margaret Kern, David Stillwell, Michal Kosinski, Jonah Berger, Martin Seligman and Lyle Ungar	409
<i>An In-depth Analysis of the Effect of Text Normalization in Social Media</i>	
Tyler Baldwin and Yunyao Li	420

<i>Using Summarization to Discover Argument Facets in Online Ideological Dialog</i>	
Amita Misra, Pranav Anand, Jean E. Fox Tree and Marilyn Walker	430
<i>Active Learning with Rationales for Text Classification</i>	
Manali Sharma, Di Zhuang and Mustafa Bilgic	441
<i>Inferring Temporally-Anchored Spatial Knowledge from Semantic Roles</i>	
Eduardo Blanco and Alakananda Vempala	452
<i>A Dynamic Programming Algorithm for Tree Trimming-based Text Summarization</i>	
Masaaki Nishino, Norihito Yasuda, Tsutomu Hirao, Shin-ichi Minato and Masaaki Nagata ...	462
<i>Modeling Word Meaning in Context with Substitute Vectors</i>	
Oren Melamud, Ido Dagan and Jacob Goldberger	472
<i>Corpus-based discovery of semantic intensity scales</i>	
Chaitanya Shivade, Marie-Catherine de Marneffe, Eric Fosler-Lussier and Albert M. Lai	483
<i>Dialogue focus tracking for zero pronoun resolution</i>	
Sudha Rao, Allyson Ettinger, Hal Daumé III and Philip Resnik	494
<i>Déjà Image-Captions: A Corpus of Expressive Descriptions in Repetition</i>	
Jianfu Chen, Polina Kuznetsova, David Warren and Yejin Choi	504
<i>Inferring Missing Entity Type Instances for Knowledge Base Completion: New Dataset and Methods</i>	
Arvind Neelakantan and Ming-Wei Chang	515
<i>Robust Morphological Tagging with Word Representations</i>	
Thomas Müller and Hinrich Schuetze	526
<i>English orthography is not "close to optimal"</i>	
Garrett Nicolai and Grzegorz Kondrak	537
<i>LCCT: A Semi-supervised Model for Sentiment Classification</i>	
Min Yang, Wenting Tu, Ziyu Lu, Wenpeng Yin and Kam-Pui Chow	546
<i>Multiview LSA: Representation Learning via Generalized CCA</i>	
Pushpendre Rastogi, Benjamin Van Durme and Raman Arora	556
<i>NASARI: a Novel Approach to a Semantically-Aware Representation of Items</i>	
José Camacho-Collados, Mohammad Taher Pilehvar and Roberto Navigli	567
<i>Towards a standard evaluation method for grammatical error detection and correction</i>	
Mariano Felice and Ted Briscoe	578
<i>Using Zero-Resource Spoken Term Discovery for Ranked Retrieval</i>	
Jerome White, Douglas Oard, Aren Jansen, Jiaul Paik and Rashmi Sankepally	588
<i>Constraint-Based Models of Lexical Borrowing</i>	
Yulia Tsvetkov, Waleed Ammar and Chris Dyer	598

<i>Model Invertibility Regularization: Sequence Alignment With or Without Parallel Data</i>	
Tomer Levinboim, Ashish Vaswani and David Chiang	609
<i>Jointly Modeling Inter-Slot Relations by Random Walk on Knowledge Graphs for Unsupervised Spoken Language Understanding</i>	
Yun-Nung Chen, William Yang Wang and Alexander Rudnicky	619
<i>Expanding Paraphrase Lexicons by Exploiting Lexical Variants</i>	
Atsushi Fujita and Pierre Isabelle	630
<i>Diamonds in the Rough: Event Extraction from Imperfect Microblog Data</i>	
Ander Intxaurreondo, Eneko Agirre, Oier Lopez de Lacalle and Mihai Surdeanu	641
<i>Unsupervised Dependency Parsing: Let's Use Supervised Parsers</i>	
Phong Le and Willem Zuidema	651
<i>A Linear-Time Transition System for Crossing Interval Trees</i>	
Emily Pitler and Ryan McDonald	662
<i>Unsupervised Multi-Domain Adaptation with Feature Embeddings</i>	
Yi Yang and Jacob Eisenstein	672
<i>Ontologically Grounded Multi-sense Representation Learning for Semantic Vector Space Models</i>	
Sujay Kumar Jauhar, Chris Dyer and Eduard Hovy	683
<i>Subsentential Sentiment on a Shoestring: A Crosslingual Analysis of Compositional Classification</i>	
Michael Haas and Yannick Versley	694
<i>Cost Optimization in Crowdsourcing Translation: Low cost translations made even cheaper</i>	
Mingkun Gao, Wei Xu and Chris Callison-Burch	705
<i>Multitask Learning for Adaptive Quality Estimation of Automatically Transcribed Utterances</i>	
José G. C. de Souza, Hamed Zamani, Matteo Negri, Marco Turchi and Falavigna Daniele ...	714
<i>Incorporating Word Correlation Knowledge into Topic Modeling</i>	
Pengtao Xie, Diyi Yang and Eric Xing	725
<i>The Unreasonable Effectiveness of Word Representations for Twitter Named Entity Recognition</i>	
Colin Cherry and Hongyu Guo	735
<i>Is Your Anchor Going Up or Down? Fast and Accurate Supervised Topic Models</i>	
Thang Nguyen, Jordan Boyd-Graber, Jeffrey Lund, Kevin Seppi and Eric Ringger	746
<i>Grounded Semantic Parsing for Complex Knowledge Extraction</i>	
Ankur P. Parikh, Hoifung Poon and Kristina Toutanova	756
<i>Sentiment after Translation: A Case-Study on Arabic Social Media Posts</i>	
Mohammad Salameh, Saif Mohammad and Svetlana Kiritchenko	767

<i>Using External Resources and Joint Learning for Bigram Weighting in ILP-Based Multi-Document Summarization</i>	
Chen Li, Yang Liu and Lin Zhao	778
<i>Transforming Dependencies into Phrase Structures</i>	
Lingpeng Kong, Alexander M. Rush and Noah A. Smith	788
<i>Improving the Inference of Implicit Discourse Relations via Classifying Explicit Discourse Connectives</i>	
Attapol Rutherford and Nianwen Xue	799
<i>Solving Hard Coreference Problems</i>	
Haoruo Peng, Daniel Khashabi and Dan Roth	809
<i>Pragmatic Neural Language Modelling in Machine Translation</i>	
Paul Baltescu and Phil Blunsom	820
<i>Key Female Characters in Film Have More to Talk About Besides Men: Automating the Bechdel Test</i>	
Apoorv Agarwal, Jiehan Zheng, Shruti Kamath, Sriramkumar Balasubramanian and Shirin Ann Dey	830
<i>Semantic Grounding in Dialogue for Complex Problem Solving</i>	
Xiaolong Li and Kristy Boyer	841
<i>Learning Knowledge Graphs for Question Answering through Conversational Dialog</i>	
Ben Hixon, Peter Clark and Hannaneh Hajishirzi	851
<i>Sentence segmentation of aphasic speech</i>	
Kathleen C. Fraser, Naama Ben-David, Graeme Hirst, Naida Graham and Elizabeth Rochon ..	862
<i>Semantic parsing of speech using grammars learned with weak supervision</i>	
Judith Gaspers, Philipp Cimiano and Britta Wrede	872
<i>Early Gains Matter: A Case for Preferring Generative over Discriminative Crowdsourcing Models</i>	
Paul Felt, Kevin Black, Eric Ringger, Kevin Seppi and Robbie Haertel	882
<i>Optimizing Multivariate Performance Measures for Learning Relation Extraction Models</i>	
Gholamreza Haffari, Ajay Nagesh and Ganesh Ramakrishnan	892
<i>Convolutional Neural Network for Paraphrase Identification</i>	
Wenpeng Yin and Hinrich Schütze	901
<i>Representation Learning Using Multi-Task Deep Neural Networks for Semantic Classification and Information Retrieval</i>	
Xiaodong Liu, Jianfeng Gao, Xiaodong He, Li Deng, Kevin Duh and Ye-Yi Wang	912
<i>Inflection Generation as Discriminative String Transduction</i>	
Garrett Nicolai, Colin Cherry and Grzegorz Kondrak	922
<i>Penalized Expectation Propagation for Graphical Models over Strings</i>	
Ryan Cotterell and Jason Eisner	932

<i>Joint Generation of Transliterations from Multiple Representations</i>	
Lei Yao and Grzegorz Kondrak	943
<i>Prosodic boundary information helps unsupervised word segmentation</i>	
Bogdan Ludusan, Gabriel Synnaeve and Emmanuel Dupoux	953
<i>So similar and yet incompatible: Toward the automated identification of semantically compatible words</i>	
Germán Kruszewski and Marco Baroni	964
<i>Do Supervised Distributional Methods Really Learn Lexical Inference Relations?</i>	
Omer Levy, Steffen Remus, Chris Biemann and Ido Dagan	970
<i>A Word Embedding Approach to Predicting the Compositionality of Multiword Expressions</i>	
Bahar Salehi, Paul Cook and Timothy Baldwin	977
<i>Word Embedding-based Antonym Detection using Thesauri and Distributional Information</i>	
Masataka Ono, Makoto Miwa and Yutaka Sasaki	984
<i>A Comparison of Word Similarity Performance Using Explanatory and Non-explanatory Texts</i>	
Lifeng Jin and William Schuler	990
<i>Morphological Modeling for Machine Translation of English-Iraqi Arabic Spoken Dialogs</i>	
Katrin Kirchhoff, Yik-Cheung Tam, Colleen Richey and Wen Wang	995
<i>Continuous Adaptation to User Feedback for Statistical Machine Translation</i>	
Frédéric Blain, Fethi Bougares, Amir Hazem, Loïc Barrault and Holger Schwenk	1001
<i>Normalized Word Embedding and Orthogonal Transform for Bilingual Word Translation</i>	
Chao Xing, Dong Wang, Chao Liu and Yiye Lin	1006
<i>Fast and Accurate Preordering for SMT using Neural Networks</i>	
Adrià de Gispert, Gonzalo Iglesias and Bill Byrne	1012
<i>APRO: All-Pairs Ranking Optimization for MT Tuning</i>	
Markus Dreyer and Yuanzhe Dong	1018
<i>Paradigm classification in supervised learning of morphology</i>	
Malin Ahlberg, Markus Forsberg and Mans Hulden	1024
<i>Shift-Reduce Constituency Parsing with Dynamic Programming and POS Tag Lattice</i>	
Haitao Mi and Liang Huang	1030
<i>Unsupervised Code-Switching for Multilingual Historical Document Transcription</i>	
Dan Garrette, Hannah Alpert-Abrams, Taylor Berg-Kirkpatrick and Dan Klein	1036
<i>Matching Citation Text and Cited Spans in Biomedical Literature: a Search-Oriented Approach</i>	
Arman Cohan, Luca Soldaini and Nazli Goharian	1042
<i>Effective Feature Integration for Automated Short Answer Scoring</i>	
Keisuke Sakaguchi, Michael Heilman and Nitin Madnani	1049

<i>Socially-Informed Timeline Generation for Complex Events</i>	
Lu Wang, Claire Cardie and Galen Marchetti	1055
<i>Movie Script Summarization as Graph-based Scene Extraction</i>	
Philip John Gorinski and Mirella Lapata	1066
<i>Toward Abstractive Summarization Using Semantic Representations</i>	
Fei Liu, Jeffrey Flanigan, Sam Thomson, Norman Sadeh and Noah A. Smith	1077
<i>Encoding World Knowledge in the Evaluation of Local Coherence</i>	
Muyu Zhang, Vanessa Wei Feng, Bing Qin, Graeme Hirst, Ting Liu and Jingwen Huang ...	1087
<i>Chinese Event Coreference Resolution: An Unsupervised Probabilistic Model Rivaling Supervised Resolvers</i>	
Chen Chen and Vincent Ng	1097
<i>Removing the Training Wheels: A Coreference Dataset that Entertains Humans and Challenges Computers</i>	
Anupam Guha, Mohit Iyyer, Danny Bouman and Jordan Boyd-Graber	1108
<i>Injecting Logical Background Knowledge into Embeddings for Relation Extraction</i>	
Tim Rocktäschel, Sameer Singh and Sebastian Riedel	1119
<i>Unsupervised Entity Linking with Abstract Meaning Representation</i>	
Xiaoman Pan, Taylor Cassidy, Ulf Hermjakob, Heng Ji and Kevin Knight	1130
<i>Idest: Learning a Distributed Representation for Event Patterns</i>	
Sebastian Krause, Enrique Alfonseca, Katja Filippova and Daniele Pighin	1140
<i>High-Order Low-Rank Tensors for Semantic Role Labeling</i>	
Tao Lei, Yuan Zhang, Lluís Màrquez, Alessandro Moschitti and Regina Barzilay	1150
<i>Lexical Event Ordering with an Edge-Factored Model</i>	
Omri Abend, Shay B. Cohen and Mark Steedman	1161
<i>Bag-of-Words Forced Decoding for Cross-Lingual Information Retrieval</i>	
Felix Hieber and Stefan Riezler	1172
<i>Accurate Evaluation of Segment-level Machine Translation Metrics</i>	
Yvette Graham, Timothy Baldwin and Nitika Mathur	1183
<i>Leveraging Small Multilingual Corpora for SMT Using Many Pivot Languages</i>	
Raj Dabre, Fabien Cromieres, Sadao Kurohashi and Pushpak Bhattacharyya	1192
<i>Why Read if You Can Scan? Trigger Scoping Strategy for Biographical Fact Extraction</i>	
Dian Yu, Heng Ji, Sujian Li and Chin-Yew Lin	1203
<i>Lachmannian Archetype Reconstruction for Ancient Manuscript Corpora</i>	
Armin Hoenen	1209

<i>Distributed Representations of Words to Guide Bootstrapped Entity Classifiers</i> Sonal Gupta and Christopher D. Manning	1215
<i>Multi-Task Word Alignment Triangulation for Low-Resource Languages</i> Tomer Levinboim and David Chiang	1221
<i>Automatic cognate identification with gap-weighted string subsequences.</i> Taraka Rama	1227
<i>Short Text Understanding by Leveraging Knowledge into Topic Model</i> Shansong Yang, Weiming Lu, Dezhi Yang, Liang Yao and Baogang Wei	1232
<i>Unsupervised Most Frequent Sense Detection using Word Embeddings</i> Sudha Bhingardive, Dharendra Singh, Rudramurthy V, Hanumant Redkar and Pushpak Bhat- tacharyya	1238
<i>Chain Based RNN for Relation Classification</i> Javid Ebrahimi and Dejing Dou	1244
<i>LR Parsing for LCFRS</i> Laura Kallmeyer and Wolfgang Maier	1250
<i>Mining for unambiguous instances to adapt part-of-speech taggers to new domains</i> Dirk Hovy, Barbara Plank, Héctor Martínez Alonso and Anders Søgaard	1256
<i>Clustering Sentences with Density Peaks for Multi-document Summarization</i> Yang Zhang, Yunqing Xia, Yi Liu and Wenmin Wang	1262
<i>Development of the Multilingual Semantic Annotation System</i> Scott Piao, Francesca Bianchi, Carmen Dayrell, Angela D’Egidio and Paul Rayson	1268
<i>Unsupervised Sparse Vector Densification for Short Text Similarity</i> Yangqiu Song and Dan Roth	1275
<i>#WhyIStayed, #WhyILeft: Microblogging to Make Sense of Domestic Abuse</i> Nicolas Schrading, Cecilia Ovesdotter Alm, Raymond Ptucha and Christopher Homan	1281
<i>Morphological Word-Embeddings</i> Ryan Cotterell and Hinrich Schütze	1287
<i>Recognizing Social Constructs from Textual Conversation</i> Somak Aditya, Chitta Baral, Nguyen Ha Vo, Joohyung Lee, Jieping Ye, Zaw Naung, Barry Lump- kin, Jenny Hastings, Richard Scherl, Dawn M. Sweet and Daniela Inglezan	1293
<i>Two/Too Simple Adaptations of Word2Vec for Syntax Problems</i> Wang Ling, Chris Dyer, Alan W Black and Isabel Trancoso	1299
<i>Estimating Numerical Attributes by Bringing Together Fragmentary Clues</i> Hiroya Takamura and Jun’ichi Tsujii	1305

<i>Unsupervised POS Induction with Word Embeddings</i>	
Chu-Cheng Lin, Waleed Ammar, Chris Dyer and Lori Levin	1311
<i>Improving Update Summarization via Supervised ILP and Sentence Reranking</i>	
Chen Li, Yang Liu and Lin Zhao	1317
<i>MPQA 3.0: An Entity/Event-Level Sentiment Corpus</i>	
Lingjia Deng and Janyce Wiebe	1323
<i>Everyone Likes Shopping! Multi-class Product Categorization for e-Commerce</i>	
Zornitsa Kozareva	1329
<i>GPU-Friendly Local Regression for Voice Conversion</i>	
Taylor Berg-Kirkpatrick and Dan Klein	1334
<i>Response-based Learning for Machine Translation of Open-domain Database Queries</i>	
Carolin Haas and Stefan Riezler	1339
<i>Context-Dependent Automatic Response Generation Using Statistical Machine Translation Techniques</i>	
Andrew Shin, Ryohei Sasano, Hiroya Takamura and Manabu Okumura	1345
<i>Multilingual Open Relation Extraction Using Cross-lingual Projection</i>	
Manaal Faruqi and Shankar Kumar	1351
<i>Learning to parse with IAA-weighted loss</i>	
Héctor Martínez Alonso, Barbara Plank, Arne Skjærholt and Anders Søgaard	1357
<i>Exploiting Text and Network Context for Geolocation of Social Media Users</i>	
Afshin Rahimi, Duy Vu, Trevor Cohn and Timothy Baldwin	1362
<i>Discriminative Phrase Embedding for Paraphrase Identification</i>	
Wenpeng Yin and Hinrich Schütze	1368
<i>Combining Word Embeddings and Feature Embeddings for Fine-grained Relation Extraction</i>	
Mo Yu, Matthew R. Gormley and Mark Dredze	1374
<i>CASSA: A Context-Aware Synonym Simplification Algorithm</i>	
Ricardo Baeza-Yates, Luz Rello and Julia Dembowski	1380
<i>Simple task-specific bilingual word embeddings</i>	
Stephan Gouws and Anders Søgaard	1386
<i>Sampling Techniques for Streaming Cross Document Coreference Resolution</i>	
Luke Shrimpton, Victor Lavrenko and Miles Osborne	1391
<i>On the Automatic Learning of Sentiment Lexicons</i>	
Aliaksei Severyn and Alessandro Moschitti	1397
<i>Large-Scale Native Language Identification with Cross-Corpus Evaluation</i>	
Shervin Malmasi and Mark Dras	1403

<i>Unediting: Detecting Disfluencies Without Careful Transcripts</i>	
Victoria Zayats, Mari Ostendorf and Hannaneh Hajishirzi	1410
<i>Type-Driven Incremental Semantic Parsing with Polymorphism</i>	
Kai Zhao and Liang Huang	1416
<i>Template Kernels for Dependency Parsing</i>	
Hillel Taub-Tabib, Yoav Goldberg and Amir Globerson	1422
<i>Embedding a Semantic Network in a Word Space</i>	
Richard Johansson and Luis Nieto Piña	1428
<i>Random Walks and Neural Network Language Models on Knowledge Bases</i>	
Josu Goikoetxea, Aitor Soroa and Eneko Agirre	1434
<i>Identification and Characterization of Newsworthy Verbs in World News</i>	
Benjamin Nye and Ani Nenkova	1440
<i>Enhancing Sumerian Lemmatization by Unsupervised Named-Entity Recognition</i>	
Yudong Liu, Clinton Burkhart, James Hearne and Liang Luo	1446
<i>Extracting Information about Medication Use from Veterinary Discussions</i>	
Haibo Ding and Ellen Riloff	1452
<i>Reserating the awesometastic: An automatic extension of the WordNet taxonomy for novel terms</i>	
David Jurgens and Mohammad Taher Pilehvar	1459
<i>Cross-lingual Text Classification Using Topic-Dependent Word Probabilities</i>	
Daniel Andrade, Kunihiko Sadamasa, Akihiro Tamura and Masaaki Tsuchida	1466
<i>Testing and Comparing Computational Approaches for Identifying the Language of Framing in Political News</i>	
Eric Baumer, Elisha Elovic, Ying Qin, Francesca Polletta and Geri Gay	1472
<i>Echoes of Persuasion: The Effect of Euphony in Persuasive Communication</i>	
Marco Guerini, Gözde Özbal and Carlo Strapparava	1483
<i>Translating Videos to Natural Language Using Deep Recurrent Neural Networks</i>	
Subhashini Venugopalan, Huijuan Xu, Jeff Donahue, Marcus Rohrbach, Raymond Mooney and Kate Saenko	1494
<i>Learning to Interpret and Describe Abstract Scenes</i>	
Luis Gilberto Mateos Ortiz, Clemens Wolff and Mirella Lapata	1505
<i>A Comparison of Update Strategies for Large-Scale Maximum Expected BLEU Training</i>	
Joern Wuebker, Sebastian Muehr, Patrick Lehnen, Stephan Peitz and Hermann Ney	1516
<i>Learning Translation Models from Monolingual Continuous Representations</i>	
Kai Zhao, Hany Hassan and Michael Auli	1527

<i>A Corpus and Model Integrating Multiword Expressions and Supersenses</i>	
Nathan Schneider and Noah A. Smith	1537
<i>Good News or Bad News: Using Affect Control Theory to Analyze Readers' Reaction Towards News Articles</i>	
Areej Alhothali and Jesse Hoey	1548
<i>Do We Really Need Lexical Information? Towards a Top-down Approach to Sentiment Analysis of Product Reviews</i>	
Yulia Otmakhova and Hyopil Shin	1559
<i>How to Memorize a Random 60-Bit String</i>	
Marjan Ghazvininejad and Kevin Knight	1569
<i>A Bayesian Model for Joint Learning of Categories and their Features</i>	
Lea Frermann and Mirella Lapata	1576
<i>Shared common ground influences information density in microblog texts</i>	
Gabriel Doyle and Michael Frank	1587
<i>Hierarchical syntax improves reading time prediction</i>	
Marten van Schijndel and William Schuler	1597
<i>Retrofitting Word Vectors to Semantic Lexicons</i>	
Manaal Faruqi, Jesse Dodge, Sujay Kumar Jauhar, Chris Dyer, Eduard Hovy and Noah A. Smith	
1606	
<i>"You're Mr. Leowski, I'm the Dude": Inducing Address Term Formality in Signed Social Networks</i>	
Vinodh Krishnan and Jacob Eisenstein	1616
<i>Unsupervised Morphology Induction Using Word Embeddings</i>	
Radu Soricut and Franz Och	1627