NAACL HLT 2012

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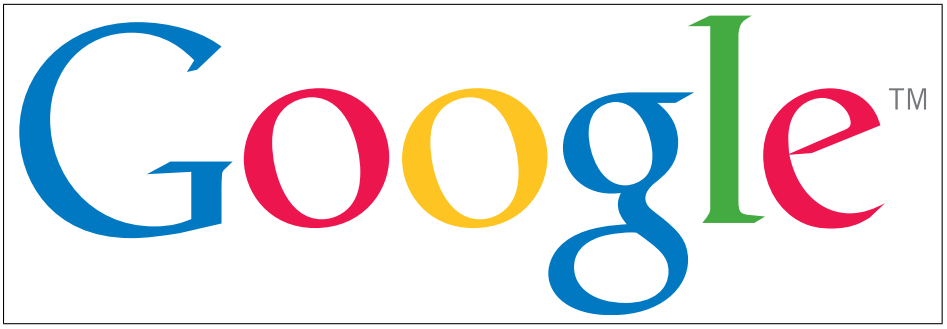

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Preface: General Chair

It is my pleasure and honor to welcome you to the 2012 NAACL Human Language Technologies Conference in beautiful Montreal, Canada (in our Canadian spirit, let me add, bienvenue!). The organizing committee has put in a great deal of effort on the programs in the upcoming week. I hope you will enjoy what the conference has to offer!

The core of the conference is the 3-day main technical program consisting of oral and poster presentations of papers, keynote addresses, and a novel "NLP Idol" session. I am very fortunate to have this key piece of the conference in the hands of Eric Fosler-Lussier, Ellen Riloff, and Srinivas Bangalore, three extremely dedicated and capable program co-chairs. Eric, Ellen, and Srini managed the whole process so well that I realized early on in the conference-planning process that I could leave this important part of the conference entirely in their hands. The main technical program that you will see here is the fruit of their labor, with the assistance of 22 area chairs and hundreds of people who reviewed or submitted papers, or both. Thank you all!

To be held in conjunction with the main conference poster session is the Demonstrations program. I would like to thank Aria Haghighi and Yaser Al-Onaizan for selecting a dozen interesting system demos as part of this program. Another component of the poster session is presentations from the Student Research Workshop. I am grateful to co-chairs Rivka Levitan and Myle Ott as well as faculty advisors Roger Levy and Ani Nenkova for identifying our rising stars, and for organizing a roundtable discussion on peer review standards and practices for all participants.

For the Tutorials program, I thank Jacob Eisenstein and Radu Florian for managing the submission and reviewing process to identify 8 diverse and interesting half-day tutorials for presentation. Continuing a new tradition, the Workshops program is coordinated among the EACL, NAACL, and ACL conferences, with a joint submission and review process. I am indebted to the NAACL Workshop co-chairs Colin Cherry and Mona Diab who worked as part of the *ACL workshop committee to select a strong suite of 16 workshops for NAACL and put in significant effort working with the workshop organizers to bring the whole program together. Thank you also to the organizers of the *SEM conference, Eneko Agirre, Johan Bos, and Mona Diab, for choosing to collocate their first conference with NAACL HLT.

The USB key that contains the entire proceedings of this conference is the production of Publications co-chairs Nizar Habash and William Schuler. Special thanks go to them for their efforts in assembling all the materials and working to keep everyone on schedule for the production of the proceedings.

I would like to thank Publicity chair Smaranda Muresan for her efforts in helping to attract submissions and attendees from various communities, and Exhibits chair Joel Tetreault for helping to arrange show-and-tell space for our sponsors and other exhibitors. The website that you undoubtedly consulted countless times before getting to Montreal has been designed and maintained by Dirk Hovy. A heartfelt thank you to Dirk for taking on this task, and to Lucy Roark for designing the NAACL HLT 2012 logo.

For the financial aspects of the conference, I would like to thank our corporate, academic, and government sponsors for their contributions, and our North American sponsorship co-chairs Michael Gamon and Patrick Pantel for the role they played.

The NAACL executive board has been very supportive and helpful during the planning of this

conference. I am very grateful for the guidance and suggestions the board members, especially the two chairs Rebecca Hwa and Chris Callison-Burch, have provided.

Finally, the conference would not be happening without the expertise and dedication of Priscilla Rasmussen, ACL's business manager and this conference's Local Arrangements Chair. Working with local advisory committee members Sabine Bergler and Guy Lapalme, Priscilla is taking on local arrangements responsibilities usually split among multiple faculty members and doing a fabulous job. With her vast array of experience in every aspect of organizing a *ACL conference, Priscilla has been my go-to person and life-saver for the last 9 months. I just want to say, thank you Priscilla, it's been great working with you!

For those of you who made it this far, here's a conference-appropriate pun for your amusement.

Q: What do linguists call Santa's elves?
A: Subordinated Clauses.

Enjoy the conference!

Jennifer Chu-Carroll
IBM T.J. Watson Research Center
NAACL HLT 2012 General Chair

Preface: Program Chairs

Welcome to NAACL HLT 2012! This year's conference brings to Montreal an exciting array of work ranging across the human language technology disciplines. The main conference features both oral and poster sessions for full and short papers; the main conference is preceded by eight tutorials and followed by sixteen separate workshops as well as the First Joint Conference on Lexical and Computational Semantics (*SEM).

Within the main program, we are pleased to announce several special events. We have two excellent invited speakers starting off two days of our program. On Monday morning, we will hear from Eduard Hovy, Director of the Human Language Technology Group, Information Sciences Institute of the University of Southern California, who will speak about "A New Semantics: Merging Propositional and Distributional Information." Wednesday morning's invited speaker is James W. Pennebaker, Centennial Liberal Arts Professor and Chair of Psychology at the University of Texas at Austin; his talk is entitled "A, is, I, and, the: How our smallest words reveal the most about who we are."

Two special discussion-oriented events are also planned — on Monday during the lunch hour, the Student Research Workshop will be hosting a panel discussion on "Reviewing Practices," which is open to all conference participants. We will also have a special fun event Tuesday afternoon called "NLP Idol," where senior researchers will try to convince a panel of judges (and the audience!) that we should be paying attention to a forgotten line of research from the past by presenting papers "plucked from obscurity."

This year, 196 full papers were submitted to the conference, with 61 papers being accepted (a 31% acceptance rate); 105 short papers were submitted, with 36 acceptances (34% acceptance). The breakdown of papers by area of submission (based on author designation) and acceptances (in parentheses) were as follows:

Author-assigned Paper Category	**# Full Papers**	**# Short Papers**
Discourse, Dialogue, and Pragmatics	14 (7)	8 (3)
Document Categorization / Topic Clustering	13 (1)	7 (2)
End-to-end Language Processing Systems	4 (3)	4 (3)
Information Extraction	17 (4)	6 (0)
Information Retrieval and Question Answering	7 (3)	5 (0)
Language Resources, Novel Evaluation Methods	8 (5)	8 (3)
Machine Learning for Language Processing	21 (11)	8 (2)
Machine Translation	26 (8)	18 (5)
Phonology and Morphology, Word Segmentation	7 (1)	5 (3)
Semantics	25 (5)	7 (3)
Sentiment Analysis and Opinion Mining	12 (1)	8 (3)
Social Media Analysis and Processing	7 (2)	3 (1)
Spoken Language Processing	8 (2)	4 (2)
Summarization and Generation	8 (1)	5 (3)
Syntactic Tagging and Chunking	3 (1)	1 (0)
Syntax and Parsing	16 (6)	8 (3)

(As part of the review and assignment process, some of the papers were recategorized by the program chairs, so the acceptance numbers based on author categorization do not necessarily match the assignment of papers in the program.)

The oral and poster slots were allocated based on the suggestions of reviewers and area chairs for appropriate presentation style; both presentation types carry the same status. Fourteen full and seven short papers will be presented during an evening poster session, with buffet dinner, in conjunction with the Demo session and the Student Research Workshop posters. Preceding the poster session will be a reprise of the one-minute madness session introduced at NAACL HLT 2010, in which attendees can see an overview of the poster presentations.

Oral sessions will be held in three parallel sessions on Monday and Wednesday, with four parallel sessions on Tuesday. We have expanded presentation times to 30-minute slots for full papers, and 20-minute slots for short papers, to facilitate more discussion of papers. We are excited that the conference is able to present such a dynamic array of papers, and would like to thank the authors for their fine work.

The review process for the conference was double-blind, and included an author response period for clarifying reviewers' questions. We were very pleased to have the assistance of 476 reviewers in deciding the program. We are especially thankful for the reviewers who spent time reading the author responses and engaging other reviewers in the discussion board. Constructing the program would not have been possible without 22 excellent area chairs forming the Senior Program Committee: Roberto Basili, Guiseppe Carenini, Yejin Choi, Christine Doran, Jason Eisner, George Foster, Roxana Girju, Heng Ji, Sadao Kurohashi, Matt Lease, Diane Litman, Deepak Ravichandran, Giuseppe Riccardi, Richard Rose, Giorgio Satta, Fei Sha, Suzanne Stevenson, David Traum, Scott Yih, Luke Zettlemoyer, Bowen Zhou, and Jerry Zhu. Area chairs were responsible for recruiting reviewers, managing paper assignments, collating reviewer responses, handling papers for other area chairs or program chairs who had conflicts of interest, making recommendations for paper acceptance or rejection, and nominating best papers from their areas. We are very grateful for the time and energy that they have put into the program.

The Best Paper Award session starts off Tuesday morning; this year we are pleased to present three awards — for best full paper, best short paper, and best student paper. This year's winners are:

- Best Full Paper Award: **Vine Pruning for Efficient Multi-Pass Dependency Parsing,** Alexander Rush and Slav Petrov
- Best Short Paper Award: **Trait-Based Hypothesis Selection For Machine Translation,** Jacob Devlin and Spyros Matsoukas
- IBM Best Student Paper Award: **Cross-lingual Word Clusters for Direct Transfer of Linguistic Structure,** Oscar Täckström, Ryan McDonald, Jakob Uszkoreit

We would like to thank reviewers and area chairs for nominating the best paper candidates. A subset of area chairs with expertise in the areas of the nominated papers were invaluable in helping the program chairs in the decision process. In particular, we would like to thank Christine Doran, Jason Eisner, George Foster, Diane Litman, Giorgio Satta, Luke Zettlemoyer, and Bowen Zhou for their assistance

in the decision process. We would like to note that the Best Full Paper and IBM Best Student Paper awardees both have students as first authors. The authors will be presented with a certificate and cash prize at the opening of Tuesday's session. We gratefully acknowledge IBM's support for the Student Best Paper Award.

There are a number of other people that we interacted with who deserve a hearty thanks for the success of the program. Rich Gerber and the START team at Softconf have been invaluable for helping us with the mechanics of the reviewing process. Nizar Habash and William Schuler, as publications co-chairs, have been very helpful in assembling the final program and coordinating the publications of the workshop proceedings. There are several crucial parts of the overall program that were the responsibility of various contributors, including Rivka Levitan, Myle Ott, Roger Levy, and Ani Nenkova (Student Research Workshop); Jacob Eisenstein and Radu Florian (Tutorial Chairs); Colin Cherry and Mona Diab (Workshop Chairs); and Aria Haghighi and Yaser Al-Onaizan (Demo Chairs). We would also like to thank Chris Callison-Burch, Rebecca Hwa, and the NAACL Executive Board for guidance during the process. Dirk Hovy was also a valuable team member in helping us disseminate information as Webmaster.

Deserving special mention is the ever-unflappable Priscilla Rasmussen, who is doing double duty this conference as local arrangements chair and general business manager. Priscilla makes everything she is involved with go more smoothly, and we have relied on her advice greatly during the run-up to the conference.

Finally, we would like to thank our General Chair, Jennifer Chu-Carroll, for entrusting us with this job, for walking us through some of the more sticky moments, and for being a great sounding board for different ideas. In particular, her guidance was crucial in developing the concept for the NLP Idol session.

We hope that you enjoy the conference!

Eric Fosler-Lussier, The Ohio State University
Ellen Riloff, University of Utah
Srinivas Bangalore, AT&T Research

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Conference Program

Monday, June 4, 2012

(7:30-5:00) Registration

(7:30-9:00) Breakfast

(9:00-9:15) Welcoming remarks

(9:15-10:30) Keynote: Eduard Hovy – "A New Semantics: Merging Propositional and Distributional Information"

(10:30-11:00) Coffee Break

Session Mon-1E: (11:00-12:30) Discourse, Dialog, and Pragmatics I

11:00–11:30 *Multiple Narrative Disentanglement: Unraveling Infinite Jest*
Byron Wallace

11:30–12:00 *Acoustic-Prosodic Entrainment and Social Behavior*
Rivka Levitan, Agustin Gravano, Laura Willson, Stefan Benus, Julia Hirschberg and Ani Nenkova

12:00–12:30 *Identifying High-Level Organizational Elements in Argumentative Discourse*
Nitin Madnani, Michael Heilman, Joel Tetreault and Martin Chodorow

Session Mon-1W: (11:00-12:30) Machine Translation I

11:00–11:30 *Fast Inference in Phrase Extraction Models with Belief Propagation*
David Burkett and Dan Klein

11:30–12:00 *Continuous Space Translation Models with Neural Networks*
Hai-Son Le, Alexandre Allauzen and François Yvon

12:00–12:30 *Machine Translation of Arabic Dialects*
Rabih Zbib, Erika Malchiodi, Jacob Devlin, David Stallard, Spyros Matsoukas, Richard Schwartz, John Makhoul, Omar F. Zaidan and Chris Callison-Burch

Monday, June 4, 2012 (continued)

Session Mon-1D: (11:00-12:30) Information Extraction

11:00–11:30 *Entity Clustering Across Languages*
Spence Green, Nicholas Andrews, Matthew R. Gormley, Mark Dredze and Christopher D. Manning

11:30–12:00 *Multi-Event Extraction Guided by Global Constraints*
Roi Reichart and Regina Barzilay

12:00–12:30 *Reference Scope Identification in Citing Sentences*
Amjad Abu Jbara and Dragomir Radev

(12:30-1:15) Student lunch sponsored by IBM and the Student Research Workshop (students only)

(1:15-2:15) SRW Panel: Reviewing Practices (open to all)

Session Mon-2E: (2:30-4:00) Spoken Language Processing

2:30–3:00 *Intrinsic and Extrinsic Evaluation of an Automatic User Disengagement Detector for an Uncertainty-Adaptive Spoken Dialogue System*
Kate Forbes-Riley, Diane Litman, Heather Friedberg and Joanna Drummond

3:00–3:30 *Exploring Content Features for Automated Speech Scoring*
Shasha Xie, Keelan Evanini and Klaus Zechner

3:30–4:00 *Hello, Who is Calling?: Can Words Reveal the Social Nature of Conversations?*
Anthony Stark, Izhak Shafran and Jeffrey Kaye

Monday, June 4, 2012 (continued)

Session Mon-2W: (2:30-4:00) Machine Learning I

2:30–3:00 *Minimum-Risk Training of Approximate CRF-Based NLP Systems*
Veselin Stoyanov and Jason Eisner

3:00–3:30 *Unsupervised Learning on an Approximate Corpus*
Jason Smith and Jason Eisner

3:30–4:00 *Structured Perceptron with Inexact Search*
Liang Huang, Suphan Fayong and Yang Guo

Session Mon-2D: (2:30-4:00) Language Resources and Evaluations

2:30–3:00 *Segmentation Similarity and Agreement*
Chris Fournier and Diana Inkpen

3:00–3:30 *HyTER: Meaning-Equivalent Semantics for Translation Evaluation*
Markus Dreyer and Daniel Marcu

3:30–4:00 *Apples to Oranges: Evaluating Image Annotations from Natural Language Processing Systems*
Rebecca Mason and Eugene Charniak

(4:00-4:30) Coffee Break

(4:30-5:30) Posters and Demos: One-Minute Madness

Monday, June 4, 2012 (continued)

(6:00-9:00) Poster and Demo Session (with Buffet Dinner)

Session Mon-P: Posters: Full Papers

Re-examining Machine Translation Metrics for Paraphrase Identification
Nitin Madnani, Joel Tetreault and Martin Chodorow

A Dependency Treebank of Classical Chinese Poems
John Lee and Yin Hei Kong

Towards Effective Tutorial Feedback for Explanation Questions: A Dataset and Baselines
Myroslava O. Dzikovska, Rodney D. Nielsen and Chris Brew

Topical Segmentation: a Study of Human Performance and a New Measure of Quality.
Anna Kazantseva and Stan Szpakowicz

Structured Ramp Loss Minimization for Machine Translation
Kevin Gimpel and Noah A. Smith

Implicitly Intersecting Weighted Automata using Dual Decomposition
Michael J. Paul and Jason Eisner

Transliteration Mining Using Large Training and Test Sets
Ali El-Kahki, Kareem Darwish, Mohamed Abdul-Wahab and Ahmed Taei

Optimized Online Rank Learning for Machine Translation
Taro Watanabe

Every sensible extended top-down tree transducer is a multi bottom-up tree transducer
Andreas Maletti

NOMIT: Automatic Titling by Nominalizing
Cédric Lopez, Violaine Prince and Mathieu Roche

Correcting Comma Errors in Learner Essays, and Restoring Commas in Newswire Text
Ross Israel, Joel Tetreault and Martin Chodorow

Using Supertags and Encoded Annotation Principles for Improved Dependency to Phrase Structure Conversion
Seth Kulick, Ann Bies and Justin Mott

Stylometric Analysis of Scientific Articles
Shane Bergsma, Matt Post and David Yarowsky

Using paraphrases for improving first story detection in news and Twitter
Sasa Petrovic, Miles Osborne and Victor Lavrenko

Session Mon-PS: Posters: Short Papers

TransAhead: A Computer-Assisted Translation and Writing Tool
Chung-chi Huang, Ping-che Yang, Keh-jiann Chen and Jason S. Chang

Correction Detection and Error Type Selection as an ESL Educational Aid
Ben Swanson and Elif Yamangil

Getting More from Segmentation Evaluation
Martin Scaiano and Diana Inkpen

G2P Conversion of Proper Names Using Word Origin Information
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Jeremy Nicholson, Trevor Cohn and Timothy Baldwin

Intra-Speaker Topic Modeling for Improved Multi-Party Meeting Summarization with Integrated Random Walk
Yun-Nung Chen and Florian Metze

Towards Using EEG to Improve ASR Accuracy
Yun-Nung Chen, Kai-Min Chang and Jack Mostow

Posters: Student Research Workshop

Domain-Specific Semantic Relatedness From Wikipedia: Can A Course Be Transferred?
Beibei Yang and Jesse M. Heines

Automatic Animacy Classification
Samuel Bowman and Harshit Chopra

Finding the Right Supervisor: Expert-Finding in a University Domain
Fawaz Alarfaj, Udo Kruschwitz, David Hunter and Chris Fox

Indexing Google 1T for low-turnaround wildcarded frequency queries
Steinar Kaldager

Automatic Humor Classification on Twitter
Yishay Raz

Beauty Before Age? Applying Subjectivity to Automatic English Adjective Ordering
Felix Hill

Automatic Metrics for Genre-specific Text Quality
Annie Louis

A Weighting Scheme for Open Information Extraction
Yuval Merhav

Choosing an Evaluation Metric for Parser Design
Woodley Packard

Using Ontology-based Approaches to Representing Speech Transcripts for Automated Speech Scoring
Miao Chen

Deep Unsupervised Feature Learning for Natural Language Processing
Stephan Gouws

Unified Extraction of Health Condition Descriptions
Ivelina Nikolova

Posters: Demo

DeSoCoRe: Detecting Source Code Re-Use across Programming Languages
Enrique Flores, Alberto Barrón-Cedeño, Paolo Rosso and Lidia Moreno

A Graphical User Interface for Feature-Based Opinion Mining
Pedro Paulo Balage Filho, Caroline Brun and Gilbert Rondeau

Navigating Large Comment Threads with CoFi
Christine Doran, Guido Zarrella and John C. Henderson

SurfShop: combing a product ontology with topic model results for online window-shopping.
Zofia Stankiewicz and Satoshi Sekine

An Interactive Humanoid Robot Exhibiting Flexible Sub-Dialogues
Heriberto Cuayáhuitl and Ivana Kruijff-Korbayová

MSR SPLAT, a language analysis toolkit
Chris Quirk, Pallavi Choudhury, Jianfeng Gao, Hisami Suzuki, Kristina Toutanova, Michael Gamon, Wen-tau Yih, Colin Cherry and Lucy +Vanderwende

Incremental Speech Understanding in a Multi-Party Virtual Human Dialogue System
David DeVault and David Traum

A Robust Shallow Temporal Reasoning System
Ran Zhao, Quang Do and Dan Roth

AttitudeMiner: Mining Attitude from Online Discussions
Amjad Abu-Jbara, Ahmed Hassan and Dragomir Radev

Tuesday, June 5, 2012

(7:30-5:00) Registration

(7:30-9:00) Breakfast

Session Tue-3: (9:00-10:30) Best Paper Awards Session

9:10–9:30 *Trait-Based Hypothesis Selection For Machine Translation*
Jacob Devlin and Spyros Matsoukas

9:30–10:00 *Cross-lingual Word Clusters for Direct Transfer of Linguistic Structure*
Oscar Täckström, Ryan McDonald and Jakob Uszkoreit

10:00–10:30 *Vine Pruning for Efficient Multi-Pass Dependency Parsing*
Alexander Rush and Slav Petrov

(10:30-11:00) Coffee Break

Session Tue-4E: (11:00-12:30) Phonology and Morphology

11:00–11:30 *A Comparative Investigation of Morphological Language Modeling for the Languages of the European Union*
Thomas Mueller, Hinrich Schuetze and Helmut Schmid

11:30–12:00 *Leveraging supplemental representations for sequential transduction*
Aditya Bhargava and Grzegorz Kondrak

12:00–12:30 *A Hierarchical Dirichlet Process Model for Joint Part-of-Speech and Morphology Induction*
Kairit Sirts and Tanel Alumäe

Tuesday, June 5, 2012 (continued)

Session Tue-4C: (11:00-12:30) Machine Translation II

11:00–11:30 *Encouraging Consistent Translation Choices*
Ferhan Ture, Douglas W. Oard and Philip Resnik

11:30–12:00 *Batch Tuning Strategies for Statistical Machine Translation*
Colin Cherry and George Foster

12:00–12:30 *Real-time Incremental Speech-to-Speech Translation of Dialogs*
Srinivas Bangalore, Vivek Kumar Rangarajan Sridhar, Prakash Kolan, Ladan Golipour and Aura Jimenez

Session Tue-4W: (11:00-12:30) Semantics I

11:00–11:30 *Parsing Time: Learning to Interpret Time Expressions*
Gabor Angeli, Christopher Manning and Daniel Jurafsky

11:30–12:00 *Fine-Grained Focus for Pinpointing Positive Implicit Meaning from Negated Statements*
Eduardo Blanco and Dan Moldovan

12:00–12:30 *Taxonomy Induction Using Hierarchical Random Graphs*
Trevor Fountain and Mirella Lapata

Session Tue-4D: (11:00-12:30) Syntax and Parsing

11:00–11:30 *Getting More from Morphology in Multilingual Dependency Parsing*
Matt Hohensee and Emily M. Bender

11:30–12:00 *Training Dependency Parser Using Light Feedback*
Avihai Mejer and Koby Crammer

12:00–12:30 *The Challenges of Parsing Chinese with Combinatory Categorial Grammar*
Daniel Tse and James R. Curran

Tuesday, June 5, 2012 (continued)

(12:30-2:00) Lunch

(2:00-3:30) NLP Idol: Plucked from Obscurity

(3:30-4:00) Coffee Break

Session Tue-5E: (4:00-5:20) Short papers: Discourse

4:00–4:20 *Active Learning for Coreference Resolution*
Florian Laws, Florian Heimerl and Hinrich Schütze

4:20–4:40 *Space Efficiencies in Discourse Modeling via Conditional Random Sampling*
Brian Kjersten and Benjamin Van Durme

4:40–5:00 *Predicting Overt Display of Power in Written Dialogs*
Vinodkumar Prabhakaran, Owen Rambow and Mona Diab

5:00–5:20 *Co-reference via Pointing and Haptics in Multi-Modal Dialogues*
Lin Chen and Barbara Di Eugenio

Session Tue-5C: (4:00-5:20) Short papers: MT

4:00–4:20 *Insertion and Deletion Models for Statistical Machine Translation*
Matthias Huck and Hermann Ney

4:20–4:40 *Improved Reordering for Shallow-n Grammar based Hierarchical Phrase-based Translation*
Baskaran Sankaran and Anoop Sarkar

4:40–5:00 *Automatic Parallel Fragment Extraction from Noisy Data*
Jason Riesa and Daniel Marcu

5:00–5:20 *Tuning as Linear Regression*
Marzieh Bazrafshan, Tagyoung Chung and Daniel Gildea

Tuesday, June 5, 2012 (continued)

Session Tue-5W: (4:00-5:20) Short papers: Document Categorization and Topic Modeling

4:00–4:20 *Ranking-based readability assessment for early primary children's literature*
Yi Ma, Eric Fosler-Lussier and Robert Lofthus

4:20–4:40 *How Text Segmentation Algorithms Gain from Topic Models*
Martin Riedl and Chris Biemann

4:40–5:00 *Identifying Comparable Corpora Using LDA*
Judita Preiss

5:00–5:20 *Behavioral Factors in Interactive Training of Text Classifiers*
Burr Settles and Xiaojin Zhu

Session Tue-5D: (4:00-5:20) Short papers: Syntax

4:00–4:20 *Better Evaluation for Grammatical Error Correction*
Daniel Dahlmeier and Hwee Tou Ng

4:20–4:40 *Are You Sure? Confidence in Prediction of Dependency Tree Edges*
Avihai Mejer and Koby Crammer

4:40–5:00 *Concavity and Initialization for Unsupervised Dependency Parsing*
Kevin Gimpel and Noah A. Smith

5:00–5:20 *Multimodal Grammar Implementation*
Katya Alahverdzhieva, Dan Flickinger and Alex Lascarides

Tuesday, June 5, 2012 (continued)

(7:00) Banquet at Le Windsor Ballroom

Wednesday, June 6, 2012

(7:30-5:00) Registration

(7:30-9:00) Breakfast

(9:00-10:15) Keynote: James W. Pennebaker – "A, is, I, and, the: How our smallest words reveal the most about who we Are"

(10:15-10:40) Coffee Break

Session Wed-6E: (10:40-12:00) Short papers: Sentiment and Social Media

10:40–11:00 *Portable Features for Classifying Emotional Text*
Saif Mohammad

11:00–11:20 *Stance Classification using Dialogic Properties of Persuasion*
Marilyn Walker, Pranav Anand, Rob Abbott and Ricky Grant

11:20–11:40 *Context-Enhanced Citation Sentiment Detection*
Awais Athar and Simone Teufel

11:40–12:00 *Predicting Responses to Microblog Posts*
Yoav Artzi, Patrick Pantel and Michael Gamon

Wednesday, June 6, 2012 (continued)

Session Wed-6C: (10:40-12:00) Short papers: Semantics

10:40–11:00 *The Intelius Nickname Collection: Quantitative Analyses from Billions of Public Records*
Vitor Carvalho, Yigit Kiran and Andrew Borthwick

11:00–11:20 *A comparison of models of word meaning in context*
Georgiana Dinu, Stefan Thater and Soeren Laue

11:20–11:40 *Measuring Word Relatedness Using Heterogeneous Vector Space Models*
Wen-tau Yih and Vahed Qazvinian

11:40–12:00 *Expectations of Word Sense in Parallel Corpora*
Xuchen Yao, Benjamin Van Durme and Chris Callison-Burch

Session Wed-6W: (10:40-12:00) Short papers: Summarization

10:40–11:00 *Why Not Grab a Free Lunch? Mining Large Corpora for Parallel Sentences to Improve Translation Modeling*
Ferhan Ture and Jimmy Lin

11:00–11:20 *Summarization of Historical Articles Using Temporal Event Clustering*
James Gung and Jugal Kalita

11:20–11:40 *Comparing HMMs and Bayesian Networks for Surface Realisation*
Nina Dethlefs and Heriberto Cuayahuitl

11:40–12:00 *On The Feasibility of Open Domain Referring Expression Generation Using Large Scale Folksonomies*
Fabián Pacheco, Pablo Duboue and Martín Domínguez

Wednesday, June 6, 2012 (continued)

(12:00-1:00) Lunch

(1:00-2:00) Business Meeting

Session Wed-7E: (2:10-3:40) Sentiment and Social Media

2:10–2:40 *Structured Event Retrieval over Microblog Archives*
Donald Metzler, Congxing Cai and Eduard Hovy

2:40–3:10 *Learning from Bullying Traces in Social Media*
Jun-Ming Xu, Kwang-Sung Jun, Xiaojin Zhu and Amy Bellmore

3:10–3:40 *Grammatical structures for word-level sentiment detection*
Asad Sayeed, Jordan Boyd-Graber, Bryan Rusk and Amy Weinberg

Session Wed-7C: (2:10-3:40) Machine Learning II

2:10–2:40 *Graph-Based Lexicon Expansion with Sparsity-Inducing Penalties*
Dipanjan Das and Noah A. Smith

2:40–3:10 *Unified Expectation Maximization*
Rajhans Samdani, Ming-Wei Chang and Dan Roth

3:10–3:40 *Low-Dimensional Discriminative Reranking*
Jagadeesh Jagarlamudi and Hal Daume III

Wednesday, June 6, 2012 (continued)

Session Wed-7W: (2:10-3:40) Discourse, Dialog, and Pragmatics II

2:10–2:40 *Autonomous Self-Assessment of Autocorrections: Exploring Text Message Dialogues*
Tyler Baldwin and Joyce Chai

2:40–3:10 *Translation-Based Projection for Multilingual Coreference Resolution*
Altaf Rahman and Vincent Ng

3:10–3:40 *Exploring Semi-Supervised Coreference Resolution of Medical Concepts using Semantic and Temporal Features*
Preethi Raghavan, Eric Fosler-Lussier and Albert Lai

(3:40-4:10) Coffee Break

Session Wed-8E: (4:10-5:10) Summarization

4:10–4:40 *Mind the Gap: Learning to Choose Gaps for Question Generation*
Lee Becker, Sumit Basu and Lucy Vanderwende

4:40–5:10 *Unsupervised Concept-to-text Generation with Hypergraphs*
Ioannis Konstas and Mirella Lapata

Session Wed-8C: (4:10-5:10) Semantics II

4:10–4:40 *Detecting Visual Text*
Jesse Dodge, Amit Goyal, Xufeng Han, Alyssa Mensch, Margaret Mitchell, Karl Stratos, Kota Yamaguchi, Yejin Choi, Hal Daume III, Alex Berg and Tamara Berg

4:40–5:10 *Unsupervised Translation Sense Clustering*
Mohit Bansal, John DeNero and Dekang Lin

Session Wed-8W: (4:10-5:10) Document Categorization and Topic Modeling

4:10–4:40 *Shared Components Topic Models*
Matthew R. Gormley, Mark Dredze, Benjamin Van Durme and Jason Eisner

4:40–5:10 *Textual Predictors of Bill Survival in Congressional Committees*
Tae Yano, Noah A. Smith and John D. Wilkerson