

Conference Program Outline

Saturday, July 22, 2006

- 7:45–9:00 Registration
- 8:15–8:25 Welcome from the Organizers
- 8:25–10:30 Sessions 1a and 1b
- 10:30–11:00 Morning Coffee Break
- 11:00–12:15 Sessions 2a and 2b
- 12:15–1:45 Lunch
- 1:45–2:35 Sessions 3a and 3b
- 2:35–3:30 Invited Talk
- 3:30–4:00 Afternoon Coffee Break
- 4:00–6:30 Long Poster Session 1 and Welcome Reception

Sunday, July 23, 2006

- 8:25–10:30 Sessions 4a and 4b
- 10:30–11:00 Morning Coffee Break
- 11:00–12:30 Short Poster Session 2
- 12:30–1:45 Lunch
- 1:45–3:25 Sessions 5a and 5b
- 3:30–4:00 Afternoon Coffee Break
- 4:00–5:15 Sessions 6a and 6b

Conference Program In Detail

Saturday, July 22, 2006

Session 1a: Computational Semantics

- 8:25–8:50 *Unsupervised Discovery of a Statistical Verb Lexicon*
Trond Grenager and Christopher D. Manning
- 8:50–9:15 *An Empirical Approach to the Interpretation of Superlatives*
Johan Bos and Malvina Nissim
- 9:15–9:40 *Paraphrase Recognition via Dissimilarity Significance Classification*
Long Qiu, Min-Yen Kan and Tat-Seng Chua
- 9:40–10:05 *Detecting Parser Errors Using Web-based Semantic Filters*
Alexander Yates, Stefan Schoenmackers and Oren Etzioni
- 10:05–10:30 *Distributional measures of concept-distance: A task-oriented evaluation*
Saif Mohammad and Graeme Hirst

Session 1b: MT

- 8:25–8:50 *SPMT: Statistical Machine Translation with Syntactified Target Language Phrases*
Daniel Marcu, Wei Wang, Abdessamad Echihabi and Kevin Knight
- 8:50–9:15 *Phrasetable Smoothing for Statistical Machine Translation*
George Foster, Roland Kuhn and Howard Johnson
- 9:15–9:40 *The impact of parse quality on syntactically-informed statistical machine translation*
Chris Quirk and Simon Corston-Oliver
- 9:40–10:05 *Statistical Machine Reordering*
Marta R. Costa-juss and Jos A. R. Fonollosa
- 10:05–10:30 *Re-evaluating Machine Translation Results with Paraphrase Support*
Liang Zhou, Chin-Yew Lin and Eduard Hovy

Saturday, July 22, 2006 (continued)

Session 2a: Discourse

11:00–11:25 *Exploiting Discourse Structure for Spoken Dialogue Performance Analysis*
Mihai Rotaru and Diane Litman

11:25–11:50 *Learning Information Status of Discourse Entities*
Malvina Nissim

11:50–12:15 *Automatic classification of citation function*
Simone Teufel, Advait Siddharthan and Dan Tidhar

Session 2b: Parsing

11:00–11:25 *Is it Really that Difficult to Parse German?*
Sandra Kbler, Erhard W. Hinrichs and Wolfgang Maier

11:25–11:50 *Doman Adaptation with Structural Correspondence Learning*
John Blitzer, Ryan McDonald and Fernando Pereira

11:50–12:15 *Incremental Integer Linear Programming for Non-projective Dependency Parsing*
Sebastian Riedel and James Clarke

Session 3a: Computational Semantics

1:45–2:10 *Semantic Role Labeling of NomBank: A Maximum Entropy Approach*
Zheng Ping Jiang and Hwee Tou Ng

2:10–2:35 *Identification of Event Mentions and their Semantic Class*
Steven Bethard and James Martin

Session 3b: Parsing

1:45–2:10 *Extremely Lexicalized Models for Accurate and Fast HPSG Parsing*
Takashi Ninomiya, Takuya Matsuzaki, Yusuke Miyao, Yoshimasa Tsuruoka and Jun'ichi Tsujii

2:10–2:35 *Multilingual Deep Lexical Acquisition for HPSGs via Supertagging*
Phil Blunsom and Timothy Baldwin

Saturday, July 22, 2006 (continued)

**Long Poster Session 1: Discourse, Dialogue, MT, Computational Semantics, Parsing
(4:00–6:30)**

Lexical Reference: a Semantic Matching Subtask

Oren Glickman, Eyal Shnarch and Ido Dagan

Semantic Role Labeling via Instance-Based Learning

Chi-san Althon Lin and Tony C. Smith

Inducing Temporal Graphs

Philip Bramsen, Pawan Deshpande, Yoong Keok Lee and Regina Barzilay

A Weakly Supervised Learning Approach for Spoken Language Understanding

Wei-Lin Wu, Ru-Zhan Lu, Jian-Yong Duan, Hui Liu, Feng Gao and Yu-Quan Chen

*Humor: Prosody Analysis and Automatic Recognition for F*R*I*E*N*D*S**

Amruta Purandare and Diane Litman

Distributed Language Modeling for N-best List Re-ranking

Ying Zhang, Almut Silja Hildebrand and Stephan Vogel

Efficient Search for Inversion Transduction Grammar

Hao Zhang and Daniel Gildea

A Discriminative Model for Tree-to-Tree Translation

Brooke Cowan, Ivona Kucerova and Michael Collins

Modeling Impression in Probabilistic Transliteration into Chinese

LiLi Xu, Atsushi Fujii and Tetsuya Ishikawa

Saturday, July 22, 2006 (continued)

**Long Poster Session 1: Discourse, Dialogue, MT, Computational Semantics, Parsing
(4:00–6:30) (continued)**

Unsupervised Named Entity Transliteration Using Temporal and Phonetic Correlation

Tao Tao, Su-Youn Yoon, Andrew Fister, Richard Sproat and ChengXiang Zhai

Capturing Out-of-Vocabulary Words in Arabic Text

Abdusalam F.A. Nwesri, S.M.M. Tahaghoghi and Falk Scholer

Using linguistically motivated features for paragraph boundary identification

Katja Filippova and Michael Strube

BestCut: A Graph Algorithm for Coreference Resolution

Cristina Nicolae and Gabriel Nicolae

Automatic Construction of Predicate-argument Structure Patterns for Biomedical Information Extraction

Akane Yakushiji, Yusuke Miyao, Tomoko Ohta, Yuka Tateisi and Jun'ichi Tsujii

Protein folding and chart parsing

Julia Hockenmaier, Aravind K. Joshi and Ken A. Dill

Learning Phrasal Categories

William Headden, Eugene Charniak and Mark Johnson

Priming Effects in Combinatory Categorical Grammar

David Reitter, Julia Hockenmaier and Frank Keller

Better Informed Training of Latent Syntactic Features

Markus Dreyer and Jason Eisner

Sunday, July 23, 2006

Session 4a: Sentiment

- 8:25–8:50 *Get out the vote: Determining support or opposition from Congressional floor-debate transcripts*
Matt Thomas, Bo Pang and Lillian Lee
- 8:50–9:15 *Partially Supervised Coreference Resolution for Opinion Summarization through Structured Rule Learning*
Veselin Stoyanov and Claire Cardie
- 9:15–9:40 *Sentiment Retrieval using Generative Models*
Koji Eguchi and Victor Lavrenko
- 9:40–10:05 *Fully Automatic Lexicon Expansion for Domain-oriented Sentiment Analysis*
Hiroshi Kanayama and Tetsuya Nasukawa
- 10:05–10:30 *A Skip-Chain Conditional Random Field for Ranking Meeting Utterances by Importance*
Michel Galley

Session 4b: Language Modeling

- 8:25–8:50 *Style & Topic Language Model Adaptation Using HMM-LDA*
Bo-June (Paul) Hsu and James Glass
- 8:50–9:15 *Text data acquisition for domain-specific language models*
Abhinav Sethy, Panayiotis Georgiou and Shrikanth Narayanan
- 9:15–9:40 *Corrective Models for Speech Recognition of Inflected Languages*
Izhak Shafran, Keith Hall and William Byrne
- 9:40–10:05 *Lexicon Acquisition for Dialectal Arabic Using Transductive Learning*
Kevin Duh and Katrin Kirchhoff
- 10:05–10:30 *Arabic OCR Error Correction Using Character Segment Correction, Language Modeling, and Shallow Morphology*
Walid Magdy and Kareem Darwish

Sunday, July 23, 2006 (continued)

**Short Poster Session 2: Sentiment, WSD, Machine Learning Models and Methods,
Term and Entity Extraction (11:00–12:30)**

Partially Supervised Sense Disambiguation by Learning Sense Number from Tagged and Untagged Corpora

Zheng-Yu Niu, Dong-Hong Ji and Chew Lim Tan

Automatically Assessing Review Helpfulness

Soo-Min Kim, Patrick Pantel, Tim Chklovski and Marco Pennacchiotti

Joint Extraction of Entities and Relations for Opinion Recognition

Yejin Choi, Eric Breck and Claire Cardie

Feature Subsumption for Opinion Analysis

Ellen Riloff, Siddharth Patwardhan and Janyce Wiebe

Relevance Feedback Models for Recommendation

Masao Utiyama and Mikio Yamamoto

Random Indexing using Statistical Weight Functions

James Gorman and James Curran

A Hybrid Markov/Semi-Markov Conditional Random Field for Sequence Segmentation

Galen Andrew

Boosting Unsupervised Relation Extraction by Using NER

Ronen Feldman and Benjmain Rosenfeld

Short Text Authorship Attribution via Sequence Kernels, Markov Chains and Author Unmasking: An Investigation

Conrad Sanderson and Simon Guenter

Entity Annotation based on Inverse Index Operations

Ganesh Ramakrishnan, Sreeram Balakrishnan and Sachindra Joshi

Unsupervised Information Extraction Approach Using Graph Mutual Reinforcement

Hany Hassan, Ahmed Hassan and Ossama Emam

Empirical Study on the Performance Stability of Named Entity Recognition Model across Domains

Hong Lei Guo, Li Zhang and Zhong Su

Sunday, July 23, 2006 (continued)

Session 5a: Generation, Summarization, and Lexical Semantics

- 1:45–2:10 *Statistical Ranking in Tactical Generation*
Erik Velldal and Stephan Open
- 2:10–2:35 *Sentence ordering with manifold-based classification in multi-document summarization*
Paul Ji and Stephen Pulman
- 2:35–3:00 *Quality Assessment of Large Scale Knowledge Resources*
Montse Cuadros and German Rigau
- 3:00–3:25 *Graph-based Word Clustering using Web Search Engine*
Yutaka Matsuo, Takeshi Sakaki, Koki Uchiyama and Mitsuru Ishizuka

Session 5b: Machine Learning Models and Methods

- 1:45–2:10 *Context-Dependent Term Relations for Information Retrieval*
Jing Bai, Jian-Yun Nie and Guihong Cao
- 2:10–2:35 *Loss Minimization in Parse Reranking*
Ivan Titov and James Henderson
- 2:35–3:00 *Unsupervised Relation Disambiguation with Order Identification Capabilities*
Jinxu Chen, Donghong Ji, ChewLim Tan and Zhengyu Niu
- 3:00–3:25 *Competitive generative models with structure learning for NLP classification tasks*
Kristina Toutanova

Sunday, July 23, 2006 (continued)

Session 6a: Word Senses

4:00–4:25 *Two graph-based algorithms for state-of-the-art WSD*
Eneko Agirre, David Martinez, Oier Lopez de Lacalle and Aitor Soroa

4:25–4:50 *Broad-Coverage Sense Disambiguation and Information Extraction with a Supersense Sequence Tagger*
Massimiliano Ciaramita and Yasemin Altun

Session 6b: Machine Learning Models and Methods

4:00–4:25 *Learning Field Compatibilities to Extract Database Records from Unstructured Text*
Michael Wick, Aron Culotta and Andrew McCallum

4:25–4:50 *Discriminative Methods for Transliteration*
Dmitry Zelenko and Chinatsu Aone

4:50–5:15 *Solving the Problem of Cascading Errors: Approximate Bayesian Inference for Linguistic Annotation Pipelines*
Jenny Rose Finkel, Christopher D. Manning and Andrew Ng