

CONFERENCE PROGRAM

Thursday, May 6

9:00-9:05 Welcome (Hwee Tou Ng and Ellen Riloff)

Session 1: Inference and Semantics

9:05-9:35 *A Linear Programming Formulation for Global Inference in Natural Language Tasks*
Dan Roth and Wen-tau Yih

9:35-10:05 *Semantic Lexicon Construction: Learning from Unlabeled Data via Spectral Analysis*
Rie Kubota Ando

10:05-10:35 *A Semantic Kernel for Predicate Argument Classification*
Alessandro Moschitti and Cosmin Adrian Bejan

10:35-11:00 Break

Session 2: Word Sense Disambiguation

11:00-11:30 *Combining Lexical and Syntactic Features for Supervised Word Sense Disambiguation*
Saif Mohammad and Ted Pedersen

11:30-12:00 *Co-training and Self-training for Word Sense Disambiguation*
Rada Mihalcea

12:00-12:30 *Word Sense Discrimination by Clustering Contexts in Vector and Similarity Spaces*
Amruta Purandare and Ted Pedersen

12:30-14:00 Lunch

Session 3: Parsing

14:00-14:30 *Memory-Based Dependency Parsing*
Joakim Nivre, Johan Hall and Jens Nilsson

Invited Talk

14:30-15:30 *Language Learning: Beyond Thunderdome*
Christopher D. Manning

15:30-16:00 Break

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Session 4: Text Classification

- 16:00-16:30 *Modeling Category Structures with a Kernel Function*
Hiroya Takamura, Yuji Matsumoto and Hiroyasu Yamada
- 16:30-17:00 *A Comparison of Manual and Automatic Constructions of Category Hierarchy for Classifying Large Corpora*
Fumiyo Fukumoto and Yoshimi Suzuki
- 17:00-17:30 SIGNLL Business Meeting

Friday, May 7

Session 5: Syntax and Semantics

- 9:30-10:00 *Thesauruses for Prepositional Phrase Attachment*
Mark McLauchlan
- 10:00-10:30 *Calculating Semantic Distance between Word Sense Probability Distributions*
Vivian Tsang and Suzanne Stevenson
- 10:30-11:00 Break
- Invited Talk
- 11:00-12:00 *Putting Meaning into Your Trees*
Martha Palmer
- 12:00-13:30 Lunch
- Shared Task Session
- 13:30-14:00 *Introduction to the CoNLL-2004 Shared Task: Semantic Role Labeling*
Xavier Carreras and Lluís Màrquez
- 14:00-14:10 *Semantic Role Labelling With Chunk Sequences*
Ulrike Baldewein, Katrin Erk, Sebastian Padó and Detlef Prescher
- 14:10-14:20 *Memory-based semantic role labeling: Optimizing features, algorithm, and output*
Antal van den Bosch, Sander Canisius, Walter Daelemans, Iris Hendrickx and Erik Tjong Kim Sang
- 14:20-14:30 *Hierarchical Recognition of Propositional Arguments with Perceptrons*
Xavier Carreras, Lluís Màrquez and Grzegorz Chrupała
- 14:30-14:40 *Semantic Role Labeling by Tagging Syntactic Chunks*
Kadri Hacioglu, Sameer Pradhan, Wayne Ward, James H. Martin and Daniel Jurafsky

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Friday, May 7

- 14:40-14:50 *A transformation-based approach to argument labeling*
Derrick Higgins
- 14:50-15:00 *A Memory-Based Approach for Semantic Role Labeling*
Beata Kouchnir
- 15:00-15:10 *Semantic Role Labeling using Maximum Entropy Model*
Joon-Ho Lim, Young-Sook Hwang, So-Young Park and Hae-Chang Rim
- 15:10-15:20 *Two-Phase Semantic Role Labeling based on Support Vector Machines*
Kyung-Mi Park, Young-Sook Hwang and Hae-Chang Rim
- 15:20-16:00 Break
- 16:00-16:10 *Semantic Role Labeling Via Generalized Inference Over Classifiers*
Vasin Punyakanok, Dan Roth, Wen-tau Yih, Dav Zimak and Yuancheng Tu
- 16:10-16:20 *Learning Transformation Rules for Semantic Role Labeling*
Ken Williams, Christopher Dozier and Andrew McCulloh
- 16:20-17:15 Summary and Discussion on Shared Task