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Conference Program

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Session 4-A: (9:00-10:30) Best Paper Session

Lexicographic Semirings for Exact Automata Encoding of Sequence Models

Brian Roark, Richard Sproat and Izhak Shafran

Session 5-A: (11:00-12:15) Machine Learning Methods

Good Seed Makes a Good Crop: Accelerating Active Learning Using Language Modeling

Dmitriy Dligach and Martha Palmer

Temporal Restricted Boltzmann Machines for Dependency Parsing

Nikhil Garg and James Henderson

Efficient Online Locality Sensitive Hashing via Reservoir Counting

Benjamin Van Durme and Ashwin Lall

An Empirical Investigation of Discounting in Cross-Domain Language Models

Greg Durrett and Dan Klein

HITS-based Seed Selection and Stop List Construction for Bootstrapping

Tetsuo Kiso, Masashi Shimbo, Mamoru Komachi and Yuji Matsumoto

Session 5-B: (11:00-12:15) Phonology/Morphology & POSTagging

The Arabic Online Commentary Dataset: an Annotated Dataset of Informal Arabic with High Dialectal Content

Omar F. Zaidan and Chris Callison-Burch

Part-of-Speech Tagging for Twitter: Annotation, Features, and Experiments

Kevin Gimpel, Nathan Schneider, Brendan O'Connor, Dipanjan Das, Daniel Mills, Jacob Eisenstein, Michael Heilman, Dani Yogatama, Jeffrey Flanigan and Noah A. Smith

Semi-supervised condensed nearest neighbor for part-of-speech tagging

Anders Søgaard

Latent Class Transliteration based on Source Language Origin

Masato Hagiwara and Satoshi Sekine

Tuesday, June 21, 2011 (continued)

Tier-based Strictly Local Constraints for Phonology

Jeffrey Heinz, Chetan Rawal and Herbert G. Tanner

Session 5-C: (11:00-12:15) Linguistic Creativity

Lost in Translation: Authorship Attribution using Frame Semantics

Steffen Hedegaard and Jakob Grue Simonsen

Insertion, Deletion, or Substitution? Normalizing Text Messages without Pre-categorization nor Supervision

Fei Liu, Fuliang Weng, Bingqing Wang and Yang Liu

Unsupervised Discovery of Rhyme Schemes

Sravana Reddy and Kevin Knight

Language of Vandalism: Improving Wikipedia Vandalism Detection via Stylometric Analysis

Manoj Harpalani, Michael Hart, Sandesh Signh, Rob Johnson and Yejin Choi

That's What She Said: Double Entendre Identification

Chloe Kiddon and Yuriy Brun

Session 5-D: (11:00-12:15) Opinion Analysis and Textual and Spoken Conversations

Joint Identification and Segmentation of Domain-Specific Dialogue Acts for Conversational Dialogue Systems

Fabrizio Morbini and Kenji Sagae

Extracting Opinion Expressions and Their Polarities – Exploration of Pipelines and Joint Models

Richard Johansson and Alessandro Moschitti

Subjective Natural Language Problems: Motivations, Applications, Characterizations, and Implications

Cecilia Ovesdotter Alm

Entrainment in Speech Preceding Backchannels.

Rivka Levitan, Agustin Gravano and Julia Hirschberg

Question Detection in Spoken Conversations Using Textual Conversations

Anna Margolis and Mari Ostendorf

Tuesday, June 21, 2011 (continued)

Session 5-E: (11:00-12:15) Corpus & Document Analysis

Extending the Entity Grid with Entity-Specific Features

Micha Elsner and Eugene Charniak

French TimeBank: An ISO-TimeML Annotated Reference Corpus

André Bittar, Pascal Amsili, Pascal Denis and Laurence Danlos

Search in the Lost Sense of “Query”: Question Formulation in Web Search Queries and its Temporal Changes

Bo Pang and Ravi Kumar

A Corpus of Scope-disambiguated English Text

Mehdi Manshadi, James Allen and Mary Swift

From Bilingual Dictionaries to Interlingual Document Representations

Jagadeesh Jagarlamudi, Hal Daume III and Raghavendra Udupa

(12:15 - 2:00) Lunch

Session 6-A: (2:00 - 3:30) Machine Translation

AM-FM: A Semantic Framework for Translation Quality Assessment

Rafael E. Banchs and Haizhou Li

Automatic Evaluation of Chinese Translation Output: Word-Level or Character-Level?

Maoxi Li, Chengqing Zong and Hwee Tou Ng

How Much Can We Gain from Supervised Word Alignment?

Jinxi Xu and Jinying Chen

Word Alignment via Submodular Maximization over Matroids

Hui Lin and Jeff Bilmes

Better Hypothesis Testing for Statistical Machine Translation: Controlling for Optimizer Instability

Jonathan H. Clark, Chris Dyer, Alon Lavie and Noah A. Smith

Tuesday, June 21, 2011 (continued)

Bayesian Word Alignment for Statistical Machine Translation

Coskun Mermer and Murat Saraclar

Session 6-B: (2:00 - 3:30) Syntax & Parsing

Transition-based Dependency Parsing with Rich Non-local Features

Yue Zhang and Joakim Nivre

Reversible Stochastic Attribute-Value Grammars

Daniël de Kok, Barbara Plank and Gertjan van Noord

Joint Training of Dependency Parsing Filters through Latent Support Vector Machines

Colin Cherry and Shane Bergsma

Insertion Operator for Bayesian Tree Substitution Grammars

Hiroyuki Shindo, Akinori Fujino and Masaaki Nagata

Language-Independent Parsing with Empty Elements

Shu Cai, David Chiang and Yoav Goldberg

Judging Grammaticality with Tree Substitution Grammar Derivations

Matt Post

Session 6-C: (2:00 - 3:30) Summarization & Generation

Query Snowball: A Co-occurrence-based Approach to Multi-document Summarization for Question Answering

Hajime Morita, Tetsuya Sakai and Manabu Okumura

Discrete vs. Continuous Rating Scales for Language Evaluation in NLP

Anja Belz and Eric Kow

Semi-Supervised Modeling for Prenominal Modifier Ordering

Margaret Mitchell, Aaron Dunlop and Brian Roark

Data-oriented Monologue-to-Dialogue Generation

Paul Piwek and Svetlana Stoyanchev

Tuesday, June 21, 2011 (continued)

Towards Style Transformation from Written-Style to Audio-Style

Amjad Abu-Jbara, Barbara Rosario and Kent Lyons

Optimal and Syntactically-Informed Decoding for Monolingual Phrase-Based Alignment

Kapil Thadani and Kathleen McKeown

Session 6-D: (2:00 - 3:30) Information Extraction

Can Document Selection Help Semi-supervised Learning? A Case Study On Event Extraction

Shasha Liao and Ralph Grishman

Relation Guided Bootstrapping of Semantic Lexicons

Tara McIntosh, Lars Yencken, James R. Curran and Timothy Baldwin

Model-Portability Experiments for Textual Temporal Analysis

Oleksandr Kolomiyets, Steven Bethard and Marie-Francine Moens

End-to-End Relation Extraction Using Distant Supervision from External Semantic Repositories

Truc Vien T. Nguyen and Alessandro Moschitti

Automatic Extraction of Lexico-Syntactic Patterns for Detection of Negation and Speculation Scopes

Emilia Apostolova, Noriko Tomuro and Dina Demner-Fushman

Coreference for Learning to Extract Relations: Yes Virginia, Coreference Matters

Ryan Gabbard, Marjorie Freedman and Ralph Weischedel

Tuesday, June 21, 2011 (continued)

Session 6-E: (2:00 - 3:30) Semantics

Corpus Expansion for Statistical Machine Translation with Semantic Role Label Substitution Rules

Qin Gao and Stephan Vogel

Scaling up Automatic Cross-Lingual Semantic Role Annotation

Lonneke van der Plas, Paola Merlo and James Henderson

Towards Tracking Semantic Change by Visual Analytics

Christian Rohrdantz, Annette Hautli, Thomas Mayer, Miriam Butt, Daniel A. Keim and Frans Plank

Improving Classification of Medical Assertions in Clinical Notes

Youngjun Kim, Ellen Riloff and Stéphane Meystre

ParaSense or How to Use Parallel Corpora for Word Sense Disambiguation

Els Lefever, Véronique Hoste and Martine De Cock

Models and Training for Unsupervised Preposition Sense Disambiguation

Dirk Hovy, Ashish Vaswani, Stephen Tratz, David Chiang and Eduard Hovy

Monday, June 20, 2011

(6:00-8:30) Poster Session (Short papers)

Types of Common-Sense Knowledge Needed for Recognizing Textual Entailment

Peter LoBue and Alexander Yates

Modeling Wisdom of Crowds Using Latent Mixture of Discriminative Experts

Derya Ozkan and Louis-Philippe Morency

Language Use: What can it tell us?

Marjorie Freedman, Alex Baron, Vasin Punyakanok and Ralph Weischedel

Automatic Detection and Correction of Errors in Dependency Treebanks

Alexander Volokh and Günter Neumann

Monday, June 20, 2011 (continued)

Temporal Evaluation

Naushad UzZaman and James Allen

A Corpus for Modeling Morpho-Syntactic Agreement in Arabic: Gender, Number and Rationality

Sarah Alkuhlani and Nizar Habash

NULEX: An Open-License Broad Coverage Lexicon

Clifton McFate and Kenneth Forbus

Even the Abstract have Color: Consensus in Word-Colour Associations

Saif Mohammad

Detection of Agreement and Disagreement in Broadcast Conversations

Wen Wang, Sibel Yaman, Kristin Precoda, Colleen Richey and Geoffrey Raymond

Dealing with Spurious Ambiguity in Learning ITG-based Word Alignment

Shujian Huang, Stephan Vogel and Jiajun Chen

Clause Restructuring For SMT Not Absolutely Helpful

Susan Howlett and Mark Dras

Improving On-line Handwritten Recognition using Translation Models in Multimodal Interactive Machine Translation

Vicent Alabau, Alberto Sanchis and Francisco Casacuberta

Monolingual Alignment by Edit Rate Computation on Sentential Paraphrase Pairs

Houda Bouamor, Aurélien Max and Anne Vilnat

Terminal-Aware Synchronous Binarization

Licheng Fang, Tagyoung Chung and Daniel Gildea

Domain Adaptation for Machine Translation by Mining Unseen Words

Hal Daume III and Jagadeesh Jagarlamudi

Issues Concerning Decoding with Synchronous Context-free Grammar

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