Statistical NLP and Weighted Automata

Opening

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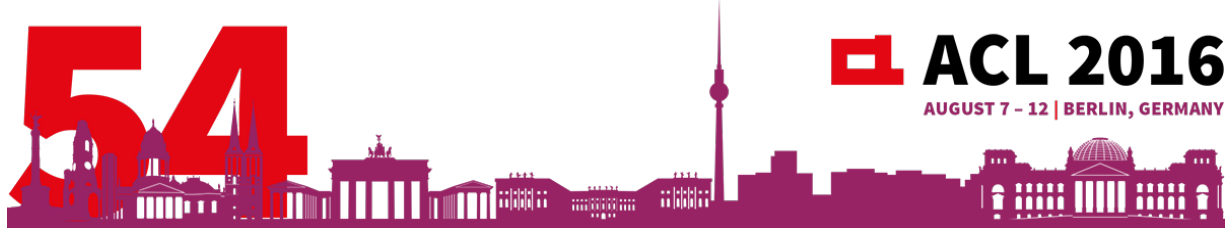


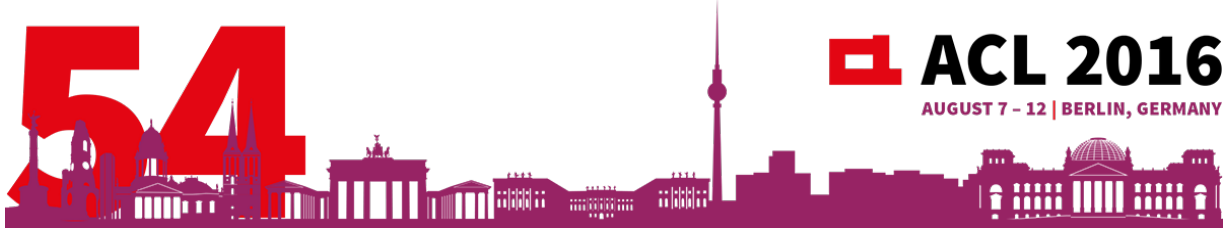
Program committee

Borja Balle	Lancaster University, UK
Francisco Casacuberta	Instituto Tecnológico de Informática, Spain
Simon Clematide	University of Zurich, Switzerland
Gregory Crane	University of Leipzig, Germany
Frank Drewes	Umeå University, Sweden
Jason Eisner	Johns Hopkins University, Baltimore, MD, USA
Colin de la Higuera	Nantes University, France
Mans Hulden	University of Colorado, Boulder, CO, USA
Krister Lindén	University of Helsinki, Finnland
Kevin Knight	University of Southern California, CA, USA
Marcus Eichenberger-Liwicki	University of Kaiserslautern, Germany
Stoyan Mihov	Bulgarian Academy of Sciences, Sofia, Bulgaria
Mark-Jan Nederhof	University of St Andrews, UK
Michael Riley	Google Inc., USA
Martin Reynaert	Tilburg University, the Netherlands
Brian Roark	Google Inc., USA
Richard Sproat	Google Inc., USA
Heiko Vogler	Dresden University of Technology, Germany
Bruce Watson	Stellenbosch University, South Africa

Statistics

Submissions	13	Short papers	6
Accepted	9	Rejected	3
Acceptance rate	69%	Withdrawn	1

Registrations : 24



Program

09.30–10.30	Eisner : *Probabilistic models of related strings*
10.30–11.00	Morning break
11.00–11.30	Dietze : *Equivalences between ranked and unranked weighted tree automata via binarization*
11.30–12.00	Teichmann, Wansing, Koller : *Adaptive importance sampling from finite state automata*
12.00–12.30	Nederhof : *Transition-based dependency parsing as latent-variable constituent parsing*
12.30–14.00	Lunch break
14.00–14.30	Allauzen, Riley, Roark : *Distributed representation and estimation of WFST-based n-gram models*
14.30–15.00	Forsberg, Hulden : *Learning transducer models for morphological analysis from example inflections*
15.00–15.30	Silfverberg, Kauppinen, Lindén : *Data-driven spelling correction using weighted finite-state methods*
15.30–16.00	Afternoon break
16.00–16.30	Drewes, Gebhardt, Vogler : *EM-training for weighted aligned hypergraph bimorphisms*
16.30–17.00	Asaadi, Rudolph : *On the correspondence between compositional matrix-space models of language*
17.00–17.30	Gorman : *Pynini — a Python library for weighted finite-state grammar compilation*
17.30–18.00	Discussion

Invited speaker

Jason Eisner Johns Hopkins University, Baltimore, MD, USA

- Professor of computer science
- Wide interests (phonology, morphology, syntax, semantics)
- Excellent teacher