

NAACL-HLT 2012

**The 2012 Conference of the
North American Chapter of the Association for
Computational Linguistics:
Human Language Technologies**

Proceedings of the Student Research Workshop

June 3-8, 2012
Montréal, Canada

Production and Manufacturing by
Omnipress, Inc.
2600 Anderson Street
Madison, WI 53707
USA

©2012 The Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL)
209 N. Eighth Street
Stroudsburg, PA 18360
USA
Tel: +1-570-476-8006
Fax: +1-570-476-0860
acl@aclweb.org

ISBN13: 978-1-937284-20-6 ISBN10: 1-937284-20-4

Introduction

Welcome to the NAACL Student Research Workshop. This year, papers were submitted to two separate tracks: Research Paper and Thesis Proposal. We received 18 submissions from ten countries and accepted 12. Of the accepted papers, seven were research papers and five were thesis proposals. Each accepted paper will be presented as a poster during the NAACL-HLT 2012 Poster Session and assigned an experienced mentor who will provide constructive feedback.

The workshop received many excellent submissions this year, and we thank our Program Committee for their thoughtful reviews. We would also like to thank the entire NAACL-HLT 2012 Organizing Committee, especially Jennifer Chu-Carroll, Eric Fossler-Lussier, Priscilla Rasmussen, Smaranda Muresan, and Dirk Hovy. We are also grateful to our faculty advisors, Roger Levy and Ani Nenkova, for their guidance and involvement. Our warmest gratitude goes to the individuals who agreed to contribute their time and expertise and serve as mentors for this workshop. Finally, we would like to acknowledge the generous support of the U.S. National Science Foundation (Award Number IIS-1220521), which made it possible for us to offer most of the presenters conference registration, accommodation, and travel support.

Program Committee:

Delphine Bernhard, University of Strasbourg
Steven Bethard, University of Colorado Boulder
Klinton Bicknell, University of California San Diego
Phil Blunsom, Oxford University
Ben Carterette, University of Delaware
Berthold Crysmann, CNRS & Université Paris-Diderot
Hal Daumè III, University of Maryland
Seniz Demir, Tubitak
Mark Dredze, Johns Hopkins University
Jacob Eisenstein, Georgia Tech
Micha Elsner, University of Edinburg
Amit Goyal, University of Maryland
Ben Hachey, Macquarie University
Matt Huenerfauth, City University of New York
Kevin Knight, University of Southern California
Zornitsa Kozareva, University of Southern California
Udo Kruschwitz, University of Essex
Tom Kwiatkowski, University of Edinburgh
Maider Lehr, Oregon Health and Science University
Diane Litman, University of Pittsburgh
Yang Liu, University of Texas at Dallas
Adam Lopez, Johns Hopkins University
Bin Lu, City University of Hong Kong
Prashanth Mannem, Indian Institute of Technology Hyderabad
Sameer Maskey, Columbia University
Taniya Mishra, AT&T
Jeremy Nicholson, University of Melbourne
Joakim Nivre, Uppsala University
Brendan O'Connor, Carnegie Mellon University
Martha Palmer, University of Colorado Boulder
Pavel Pecina, Charles University in Prague
Brian Pluss, The Open University
Hamid R. Chinaei, Laval University
Sujith Ravi, Yahoo! Research
Carolyn Penstein Rosè, Carnegie Mellon University
Andrew Rosenberg, City University of New York
Nathan Schneider, Carnegie Mellon University
Sabine Schulte im Walde, University of Stuttgart
Elizabeth Shriberg, Microsoft Speech Labs
Svetlana Stoyanchev, Columbia University
Joel Tetreault, Educational Testing Service

Lu Wang, Cornell University
Arthur Ward, University of Pittsburgh
Bonnie Webber, University of Edinburgh
Yorick Wilks, University of Sheffield
Sandra Williams, The Open University
Ainur Yessenalina, Cornell University

Student Co-Chairs:

Rivka Levitan, Columbia University
Myle Ott, Cornell University

Faculty Advisors:

Roger Levy, University of California San Diego
Ani Nenkova, University of Pennsylvania

Table of Contents

<i>Finding the Right Supervisor: Expert-Finding in a University Domain</i> Fawaz Alarfaj, Udo Kruschwitz, David Hunter and Chris Fox	1
<i>Automatic Animacy Classification</i> Samuel R. Bowman and Harshit Chopra	7
<i>Beauty Before Age? Applying Subjectivity to Automatic English Adjective Ordering</i> Felix Hill	11
<i>Indexing Google IT for low-turnaround wildcarded frequency queries</i> Steinar Vittersø Kaldager	17
<i>Unified Extraction of Health Condition Descriptions</i> Ivelina Nikolova	23
<i>Choosing an Evaluation Metric for Parser Design</i> Woodley Packard	29
<i>Domain-Specific Semantic Relatedness From Wikipedia: Can A Course Be Transferred?</i> Beibei Yang and Jesse M. Heines	35
<i>Using Ontology-based Approaches to Representing Speech Transcripts for Automated Speech Scoring</i> Miao Chen	41
<i>Deep Unsupervised Feature Learning for Natural Language Processing</i> Stephan Gouws	48
<i>Automatic Metrics for Genre-specific Text Quality</i> Annie Louis	54
<i>A Weighting Scheme for Open Information Extraction</i> Yuval Merhav	60
<i>Automatic Humor Classification on Twitter</i> Yishay Raz	66

Conference Program

Monday, June 4, 2012

(6:00-9:00) Research Papers

Finding the Right Supervisor: Expert-Finding in a University Domain

Fawaz Alarfaj, Udo Kruschwitz, David Hunter and Chris Fox

Automatic Animacy Classification

Samuel R. Bowman and Harshit Chopra

Beauty Before Age? Applying Subjectivity to Automatic English Adjective Ordering

Felix Hill

Indexing Google IT for low-turnaround wildcarded frequency queries

Steinar Vittersø Kaldager

Unified Extraction of Health Condition Descriptions

Ivelina Nikolova

Choosing an Evaluation Metric for Parser Design

Woodley Packard

Domain-Specific Semantic Relatedness From Wikipedia: Can A Course Be Transferred?

Beibei Yang and Jesse M. Heines

(6:00-9:00) Thesis Proposals

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

Miao Chen

Deep Unsupervised Feature Learning for Natural Language Processing

Stephan Gouws

Automatic Metrics for Genre-specific Text Quality

Annie Louis

Monday, June 4, 2012 (continued)

A Weighting Scheme for Open Information Extraction

Yuval Merhav

Automatic Humor Classification on Twitter

Yishay Raz