

## Preliminary Call for Papers for NAACL HLT 2010

<http://naaclhlt2010.isi.edu>

June 1 – June 6, 2010, Los Angeles, California

### Important Dates:

Deadline for **BOTH Full and Short paper submission**: Tuesday, December 1, 2009

Notification to Authors: Monday, January 25, 2010

NAACL HLT 2010 combines the Annual Meeting of the North American Association for Computational Linguistics (NAACL) with the Human Language Technology Conference (HLT) of NAACL. The conference covers a broad spectrum of disciplines working towards enabling intelligent systems to interact with humans using natural language, and towards enhancing human-human communication through services such as speech recognition, automatic translation, information retrieval, text summarization, and information extraction. **This year, we are especially interested in papers discussing research with noisy data, including data from informal communications (such as, Twitter, Blogs, Email, SMS) and processed data (such as, Speech, OCR, Historical Data, Machine Translation).** NAACL HLT 2010 will feature full papers, short papers, demonstrations, and a doctoral consortium, as well as pre-conference tutorials and post-conference workshops.

The conference invites the submission of *full papers* on substantial, original, and unpublished research in disciplines that could impact human language processing systems. We also encourage the submission of *short papers* that can be characterized as a small, focused contribution, a work in progress, a negative result, an opinion piece or an interesting application note.

Topics include, but are not limited to, the following areas, and are understood to be applied to speech and/or text:

- Phonology
- Morphology (including word segmentation)
- Part of speech tagging
- Syntax and parsing (e.g., grammar induction, formal grammar, algorithms)
- Grammar Engineering
- Word sense disambiguation
- Lexical semantics
- Formal semantics and logic
- Mathematical Linguistics
- Textual entailment and paraphrasing
- Discourse and pragmatics

- Knowledge acquisition and representation
- Statistical and machine learning techniques for language processing
- Multilingual processing
- Noisy data analysis
- Large-scale language processing
- Machine translation
- Language generation
- Summarization
- Question answering
- Information retrieval (including monolingual and CLIR)
- Information extraction
- Topic classification and information filtering
- Non-topical classification (e.g., sentiment/attribution/ genre analysis)
- Topic clustering
- Text and speech mining
- Spoken term detection and spoken document indexing
- Speech indexing and retrieval
- Speech analysis and recognition
- Speech synthesis
- Speech understanding
- Dialog systems
- Speech-centered applications (e.g., human-computer, human- robot interaction, education and learning systems, assistive technologies, digital entertainment)
- Evaluation (e.g., intrinsic, extrinsic, user studies)
- Development of language resources (e.g., lexicons, ontologies, annotated corpora)
- Rich transcription (automatic annotation of information structure and sources in speech)
- Multimodal representations and processing, including speech, gaze, gesture, and other sensory inputs

Detailed submission information will soon be available at: <http://naaclhlt2010.isi.edu/>

**General Conference Chair:**

Ron Kaplan, Powerset Division of Microsoft Bing

**Program Co-Chairs:**

Jill Burstein, Educational Testing Service

Mary Harper, University of Maryland, Johns Hopkins Human Language Technology Center of Excellence

Gerald Penn, University of Toronto

**Workshop Chairs**

Richard Sproat, Oregon Health & Science University

David Traum, University of Southern California, Institute for Creative Technologies

**Demo Chair**

Carolyn Penstein Rose, Carnegie Mellon University, Language Technologies Institute

**Local Arrangements Chairs**

David Chiang, University of Southern California, Information Sciences Institute

Eduard Hovy, University of Southern California, Information Sciences Institute

Jonathan May, University of Southern California, Information Sciences Institute

Jason Riesa, University of Southern California, Information Sciences Institute

**Sponsorship Chairs**

North America: Srinivas Bangalore, AT&T; Christy Doran, MITRE

Local: Eduard Hovy, University of Southern California, Information Sciences Institute