ANDREW ROSENBERG

- **February 5, 2015**
- **300 Jay St. Brooklyn, NY • Namm 906**
- **Noon - 1:00pm**

Advancing Prosodic Analysis

Prosody is an essential component of human speech. Prosody, broadly, describes all of the production qualities of speech that are not involved in conveying lexical information. Where the words are "what is said", prosody is "how it is said". Prosody of speech, plays an important role not only in communicating the syntax, semantics and pragmatics of spoken language, but also in conveying information about the speaker and their internal state (e.g. emotion or fatigue).

Understanding prosody is critical to understanding speech communication. Spoken Language Processing (SLP) technology that approaches human levels of competence will necessarily include automatic analysis of prosody. Despite the importance of prosody in spoken communication, researchers are often unable to reliably incorporate prosodic information into applications. One explanation is a lack of compact, consistent, and universal representations of prosodic information. This talk will describe the state of the art in prosodic analysis and its use in spoken language processing with a focus on the development of new representations of prosody.

Andrew Rosenberg is an Assistant Professor of Computer Science at Queens College (CUNY) and a member of the Doctoral Faculty of the Computer Science and Linguistics programs at the CUNY Graduate Center. He completed his Ph.D. at Columbia University in 2009. Dr. Rosenberg leads the Speech Lab at Queens College and is a NSF CAREER Award winner. His research concerns Natural Language Processing, Spoken Language Processing, Prosody/Intonation and Machine Learning. He also collaborates part time at the IBM TJ Watson Research Lab, where he helps improve the speech synthesis quality for Watson, the Jeopardy! playing system.

Light refreshments will be served.

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