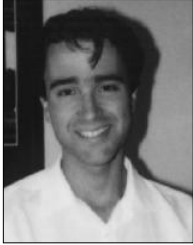


Research Interests

PARTICIPANTS' AREAS OF RESEARCH AND TECHNICAL WORK

*	Committee Member
**	Speaker

*Jeff Bilmes**, *University of Washington*



My primary interests lie in statistical modeling (particularly graphical model approaches) and signal processing for pattern classification, speech recognition, language processing, machine learning, combinatorial optimization, and audio processing. I am particularly interested in discriminatively structured graphical models for classification. I also have strong interests in speech-based human-computer interfaces, the statistical properties of natural objects and natural scenes, information theory and its relation to natural computation by humans and pattern recognition by machines, and computational music processing (such as human timing subtleties). I am also quite interested in high-performance computing systems, computer architecture, and software techniques to reduce power consumption.