

# IAAI-13 Preface

Welcome to the Twenty-Fifth Annual Conference on the Innovative Applications of Artificial Intelligence (IAAI-13), the premier conference focusing on applied AI research ranging from exciting new potential applications to innovative deployments of AI technology.

IAAI is colocated with AAAI and their paper presentations and invited talks are coordinated. This enables conference attendees to seamlessly move between conferences fostering interest in applied AI research while keeping track of the latest results of AI research.

IAAI-13 will have 3 paper tracks: deployed applications, emerging applications and challenge problems. The deployed applications track focuses on fielded AI applications that distinguish themselves for their innovative use of AI technology. This year we have 5 papers in this track that includes fielded systems for graduate admissions, natural language question answering, image processing, timetabling and prescription surveillance.

The emerging applications track focuses on areas where AI technology can have a practical impact. This year we have 15 papers in this track. For the first time, IAAI-13 will include a challenge problems track. This track aims at presenting to the AI community at large new problems where AI could make a significant difference. We have a challenge problem paper on patterns of life.

We have an outstanding lineup of invited speakers: Deborah L. McGuinness, Larry Birnbaum and Larry Hunter. Deborah L. McGuinness will deliver the Robert Englemore Memorial Award Lecture for 2013. McGuinness will receive this award for her significant and extensive work on a number of areas including knowledge representation, particularly her leadership role in semantic web research and her extensive service to AI including her role as chair for a number of AI conferences including AAAI and KR. McGuinness is a professor at Rensselaer Polytechnic Institute (RPI).

Larry Birnbaum will deliver the joint AAAI/IAAI invited talk. Birnbaum is a professor at Northwestern University and is well known for his research on natural language processing, case-based reasoning, machine learning, human-computer interaction, educational software, and computer vision.

Lawrence (Larry) E. Hunter is a professor at the University of Colorado Denver, where he is the director of the Computational Bioscience Program. Hunter is well known for his research on advanced computational techniques for biomedicine, particularly the application of statistical and knowledge-based techniques to the analysis of high-throughput data and of biomedical texts.

The Innovative Applications of Artificial Intelligence Conference could not take place without the generous help of many people. In particular, we appreciate the hard work and dedication of the IAAI-13 program committee, the invited speakers, and the authors of the technical papers, without whom the technical program would not exist. We also want to acknowledge the professional administrative and planning expertise of Carol Hamilton, Keri Harvey, and the entire AAAI staff. They keep the conference production schedule on track, are wonderful to work with, and make this conference possible. We hope you enjoy the conference!

- Hector Munoz-Avila and David Stracuzzi  
IAAI 2013 Conference Chair and Cochair