IAAI 2011

23rd Conference on the Innovative Applications of AI

Daniel Shapiro (ISLE) – Chair
Markus Fromherz (ACS/Xerox) – Co-chair
IAAI Mission

- Focus on successful applications of AI technology
  - Issues, Methods and Lessons learned when deploying AI in the real world

- Promote the interchange of ideas between basic and applied AI

- Two tracks:
  - Deployed Applications (5)
    - Employed by their final end users for sufficiently long that experience can be reported
  - Emerging Applications (14)
    - Ongoing efforts
Evaluating IAAI Talks

- What AI applications are feasible now?
- What applications are almost feasible? Why or why not?
- How could this technology be employed in my setting?
- Are the problems I work on ready for application?
- What applications surprised you?
Paper Requirements

The goal is to describe the engineering of AI applications

- **Task Description**
  - Including why AI was important

- **Application Description**
  - Describe the system components and deployment environment.

- **Uses of AI Technology**
  - What key aspects of AI technology allowed the application to succeed? How were the techniques modified? What AI approaches did not work?

- **Application Use/Payoff**
  - What impacts has it had on the users' business processes?

- **Application Development and Deployment**
  - What were the difficulties and surprises? What lessons did you learn?

- **Maintenance**
  - What has changed since original deployment? How has the application design changed to accommodate new needs?
Invited Talks

- David Ferrucci (IBM T. J. Watson Research Center)
  *Building Watson: An Overview of DeepQA for the Jeopardy! Challenge*
  Tuesday 10:20-11:20, Joint with AAAI

- Ramon Lopez De Mantaras (Artificial Intelligence Research Institute (IIIA) and Spanish National Research Council (CSIC))
  *Playing with Cases: Rendering Expressive Music Performance with Case-Based Reasoning*
  Wednesday 10:20-11:20

- David Gunning (Vulcan Inc.)
  *HaloBook and Progress Towards Digital Aristotle*
  Thursday 10:20-11:20
Deployed Applications

- **NewsFinder: Automating an Artificial Intelligence News Service**
  Liang Dong, Reid G. Smith, Bruce Buchanan
  Tuesday 11:30-12:00

- **The News that Matters to You Design and Deployment of a Personalized News Service**
  Mark J. Stefik, Lance Good
  Tuesday 12:00-12:30

- **Learning by Demonstration Technology for Military Planning and Decision Making: A Deployment Story**
  Karen Myers, Jake Kolojejchick, Carl Angiolillo, Tim Cummings, Tom Garvey, Melinda Gervasio, Will Haines, Chris Jones, Janette Knittel, David Morley, William Ommert, Scott Potter
  Tuesday 2:20-2:50
Deployed Applications

- Machine Learning and Sensor Fusion for Estimating Continuous Energy Expenditure
  Nisarg Vyas, Jonathan Farringdon, David Andre and John (Ivo) Stivoric
  Wednesday 9:00-9:30

- The Glass Infrastructure: Using Common Sense to Create a Dynamic, Place-Based Social Information System
  Catherine Havasi, Richard Borovoy, Boris Kizelshteyn, Polychronis Ypodimatopoulos, Jon Ferguson, Henry Holtzman, Andrew Lippman, Dan Schultz, Matthew Blackshaw, Greg Elliott, Chaki Ng

  Thursday 11:30-12:00  NOTE TIME CHANGE