

Testing of Deployable Learning and Decision Systems

Friday December 8, 2006

Organizers: Dragos Margineantu & Chris Drummond & Kiri Wagstaff

Morning session: 7:30am–10:35am

- 7:30am Welcome and introductory overview
- 8:00am **Machine Learning for the Real World: If Your Hair Doesn't Turn Gray You're not Paying Enough Attention**, *Rich Caruana*
- 8:45am *Coffee Break*
- 9:00am **Testing Stochastic Processes through Reinforcement Learning**,
Francois Laviolette and Sami Zhioua
- 9:30am **Can we Learn in the ER?**, *William Elazmeh and Chris Drummond*
- 10:00am **Guiding Class Selection for an Artificial Nose**,
Rachel Lomaski, Carla E. Brodley, Matthew Arnecke, and David Walt
- 10:30am Discussion and wrap-up remarks

Afternoon session: 3:55pm–6:30pm

- 3:55pm Introductory remarks
- 4:00pm **Deployed Adaptivity**, *Thomas G. Dietterich*
- 4:45pm **Challenges for Machine Learning in Space**, *Kiri Wagstaff*
- 5:15pm *Coffee Break*
- 5:30pm **Assessing Invariance Properties of Evaluation Measures**, *Marina Sokolova*
- 6:00pm Discussions
- 6:30pm Adjourn