



aaai-05 doctoral consortium

Celebrating AAAI's 25th Anniversary
The Twentieth National Conference on Artificial Intelligence
July 9-13, 2005, Pittsburgh, Pennsylvania

The Tenth AAAI/SIGART Doctoral Consortium

The AAAI and ACM/SIGART Doctoral Consortium (DC) provides an opportunity for a group of Ph.D. students to discuss and explore their research interests and career objectives with a panel of established researchers in artificial intelligence. The consortium has the following objectives: (1) to provide a setting for mutual feedback on participants' current research and guidance on future research directions; (2) develop a supportive community of scholars and a spirit of collaborative research; (3) support a new generation of researchers with information and advice on academic, research, industrial, and non-traditional career paths; and (4) contribute to the conference goals through interaction with other researchers and participation in conference events. The Doctoral Consortium will be held as a workshop on July 9–10, 2005, immediately before the start of the main conference. Student participants in the Doctoral Consortium will receive complimentary conference registration and a fixed allowance for travel/housing.

The Application Packet

Applicants to the Doctoral Consortium must submit the following materials via the AAAI Doctoral Consortium online submission site no later than Friday, February 4, 2005. Please combine all materials into one PDF document, formatted for US letter paper (8.5 x 11"). We cannot accept submissions by e-mail or fax.

1. **Thesis Summary.** A two-page thesis summary that outlines the problem being addressed, the proposed plan for research, and a description of the progress to date. Please be sure to distinguish between work that has already been accomplished and work that remains to be done. Be sure to include a title for your work.
2. **Background Information.** Information (at most two pages) on your background and relevant experience. This should include information typically found in a curriculum vita, plus additional information that may indicate your potential contribution to the DC.
3. **Letter of Recommendation.** A letter of recommendation from your thesis advisor. It must include an assessment of the current status of your thesis research, and an expected date for thesis submission. In addition, your advisor should indicate what he or she hopes you would gain from participation in the DC.
4. **Participant's Expectations.** A short (one page or less) statement of what you expect to gain from presenting and participating in the DC, as well as what you think you can contribute to the DC.

If you are unable to incorporate your advisor's letter of recommendation into your application PDF because of confidentiality concerns, it can be sent separately to aaai05 at aaai.org, or mailed to AAAI Doctoral Consortium, 445 Burgess Drive, Menlo Park, CA 94205, 650-328-3123, 650-321-4457 (fax).

Applicants will receive confirmation of receipt of their application, including an ID number, shortly after submission. Inquiries regarding lost applications must be made no later than February 11, 2005 (aaai05 at aaai.org).

Submissions received after the deadlines or that do not meet all requirements detailed above and in the DC-05 Call for Applications will not be accepted for consideration.

Papers

Leveraging Language into Learning / 1636
Jacob Beal

Dissertation in Progress: An Empirical Analysis of the Costs and Benefits of Naturalness in Spoken Dialog Systems / 1638
Ellen Campana

Learning Source Descriptions for Web Services / 1640
Mark James Carman

Computational Aspects of Mechanism Design / 1642
Vincent Conitzer

On Boosting Semantic Web Data Access / 1644
Li Ding

Dynamic Regime Identification and Prediction Based on Observed Behavior in Electronic Marketplaces / 1646
Wolfgang Ketter

Adaptive Modeling and Planning for Reactive Agents / 1648
Mykel J. Kochenderfer

Self-Emergence of Structures in Gene Expression Programming / 1650
Xin Li

Concurrent Hierarchical Reinforcement Learning / 1652
Bhaskara Marthi

Discourse Factors in Multi-Document Summarization / 1654
Ani Nenkova

Structure Learning for Statistical Relational Models / 1656
Jennifer Neville

Towards Competence in Autonomous Agents / 1658
Özgür Simsek

Rover Science Autonomy: Probabilistic Planning for Science-Aware Exploration / 1660
Trey Smith

Natural Language Generation for Text-to-Text Applications Using an Information-Slim Representation / 1662
Radu Soricut

Planning for Geospatial Data Integration / 1664
Snehal Thakkar

Improving Reinforcement Learning Function Approximators via Neuroevolution / 1666
Shimon Whiteson