Call for Papers and Participation

Twentieth
National Conference
on Artificial Intelligence

July 9–13, 2005 ■ Pittsburgh, Pennsylvania

Sponsored by the American Association for Artificial Intelligence

AAAI-05 is the Twentieth National Conference on Artificial Intelligence (AI). The purpose of this conference is to promote research in AI and scientific interchange among AI researchers, practitioners, and scientists and engineers in related disciplines. AAAI-05 will have multiple technical tracks, poster sessions, invited speakers, and exhibit programs, all selected according to the highest reviewing standards.

The conference provides a forum for a broad range of topics, including (but not limited to) knowledge representation, machine learning, autonomous agents, planning, machine perception, robotics, expert systems, theorem proving, commonsense reasoning, probabilistic inference, constraint satisfaction, game playing, automated diagnosis, data mining, natural language processing, neural networks, reinforcement learning, semantic web, information integration and cognitive modeling.

As the national conference for all of AI, AAAI encourages the presentation of results both from core AI technical areas and from efforts to synthesize and unify approaches to the problems faced by intelligent systems. Contributions involving the role of AI techniques and systems in other emerging areas of computer science, science, and society (such as the Web, grid computing, biotechnology, health care, and sensory networks in physical environments, to name just a few) are particularly encouraged.

In addition to normal technical papers, this year, we also specifically encourage vision/challenge papers that lay out near-term directions for particular subfields of AI.

Timetable for Authors
January 14, 2005 to March 18, 2005: Authors register on the AAAI web site
   March 18, 2005: Electronic submission of abstract.
   March 22, 2005: Electronic submission of paper.
   March 29, 2005: Submitters fax/mail one formatted title page, including tracking number, title, authors, and contact information
   April 29, 2005: Notification of acceptance or rejection
   May 10, 2005: Final, corrected PDF camera-ready copy due at AAAI office

Author Registration
Authors must register at the AAAI-05 web-based technical paper submission site. The software will assign a password, which will enable the author to log on to submit an abstract and paper. In order to avoid a rush at the last minute, authors are encouraged to register as soon as the software is available, scheduled for January 14, 2005.

Paper Submission
Electronic paper submission is required. Instructions about how to submit papers electronically are available at the AAAI web site (www.aaai.org/Conferences/National/ 2005/). Papers may be no longer than 6 pages including references, and formatted in AAAI two-column, camera-ready style. We cannot accept submissions by e-mail or fax. Reviewing for AAAI-05 will be blind to the identities of the authors. Details on formatting and preparing the paper for blind review can be found at the AAAI-05 web site.

Authors should submit abstracts by March 18, 2005 and papers by March 22, 2005. The software will assign paper ID number at the time of the submission. Vision/challenge papers should be clearly marked as such by selecting the keyword "vision/challenge" in addition to any applicable technical keywords.

Authors will receive confirmation of receipt of their papers shortly after submission. AAAI will contact authors again only if problems are encountered with papers. Inquiries regarding lost papers must be made no later than March 29, 2005.

Title Page Submission
Authors are also requested to submit one copy of the formatted version of their title page, including authors and affiliations, no later than March 29, 2005. This title page should also include the paper ID number assigned by the submission software. This page will be retained by the AAAI office for author identification and author order. Please note that author information should not be included on the PDF of the full paper submitted electronically for review because AAAI-05 papers will have a blind review. Please send title pages to:

AAAI-05
445 Burgess Drive, Suite 100
Menlo Park, CA 94025-3442
Telephone: 650-328-3123
Fax: 650-321-4457

Submissions to
Other Conferences or Journals
Papers submitted to this conference must not have been accepted for publication elsewhere or be under review for another AI conference. However, to encourage interdisciplinary contributions, we may consider work that has been submitted or presented in part to a forum outside of AI. The guidelines of the AAAI policy on multiple submissions are fully detailed at the AAAI-05 web site and must be carefully followed.

Review Process
Program committee members will identify papers they are qualified to review based on the information submitted electronically (the paper's title, keywords, and abstract). Their reviewing will be done blind to the identities of the authors and their institutions. The program committee's reviews will make recommendations to the senior program committee, which in turn will make recommendations to the program cochairs. Although the program cochairs will formally make all final decisions, in practice almost all will be made earlier in the process.

This year, as an experiment, the cochairs are planning to allow authors of papers that may have conflicting reviews, a limited opportunity to respond to the reviews. This author's feedback may then be taken into account in making the final decisions. Further details on this specific "if controversial, hear the authors" idea will be made available on the AAAI-05 website.

Copyright
Authors will be required to transfer copyright of their paper to AAAI.

Authors of all accepted papers will have a chance to present their work both orally and again in a pan-conference poster session.

Questions and Suggestions
Concerning author instructions and conference registration, write to: aaai05@aaai.org. Concerning suggestions for the conference and other inquiries, write to the Program Cochairs: **Manuela M. Veloso,** Carnegie Mellon University (veloso@cs.cmu.edu); **Subbarao Kambhampati,** Arizona State University (rao@asu.edu)

For a complete listing of the Senior Program Committee members, please see www.aaai.org.