

Call for Papers



Integrated Intelligence Special Track at AAAI-10

July 11–15, 2010
Atlanta, Georgia USA

Sponsored by the Association for the Advancement of Artificial Intelligence

Important Dates

January 18 2010: Abstracts Due

January 21 2010: Paper Submissions Due

March 26 2010: Author Notifications

April 13, 2010: Final Electronic Camera Ready Abstracts Due at AAAI Office

To solve complex, real-world problems, AI systems often must integrate component technologies, such as planning, reasoning, language, dialogue, perception, goal-driven action, and learning. Prototypical examples of such integrated systems include software agents, multimodal user interfaces, autonomous robot systems, robots that interact with humans, intelligent tutoring systems, and virtual characters. The Integrated Intelligence track welcomes submissions on issues that arise in the design and construction of such systems which include clear evidence for the efficacy of the integration.

Papers submitted to this track should highlight synergistic effects of integrating components from distinct areas of AI to achieve intelligent behavior. They should articulate the innovative mechanisms used to combine multiple components and should demonstrate the synergy achieved through this integration. Topics may range from small-scale integrations of two components to large-scale efforts that support robust autonomous agents. Projects that focus on individual component technologies or component tasks are not suitable for this track.

Appropriate papers will incorporate a minimum of two component technologies and emphasize the integrative nature of the research. Relevant component technologies include but are not limited to:

- Reasoning and inference
- Planning and problem solving
- Natural language processing
- Dialogue and interaction
- Execution and control
- Perceptual processing
- Adaptation and learning
- Affect and emotion

Papers that include clear claims about the benefits of integration and supporting evidence will receive preference. Acceptable

forms of evidence include theoretical analyses, experimental evaluation, matches to human behavior, and demonstrations of new functionality, provided they examine the synergistic effects of integrating two or more component abilities.

Qualified referees drawn from a special track committee will review papers, with final selections determined by the track co-chairs in conjunction with the AAAI-10 co-chairs. Submissions that are deemed not relevant to this track may, at the discretion of the chairs, be considered for review in the general technical track. We encourage authors to contact the track co-chairs if they have questions about the relevance of their submissions.

Author Registration

Authors must register at the AAAI-10 II web-based technical paper submission site (aaai.confmaster.net/pages/login.php?Conf=AAAI-II). 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 possible after December 1.

Abstract and Paper Submission

Electronic abstract and paper submission through the AAAI-10 II paper submission site is required on or (preferably) before the deadline dates listed above. We cannot accept submissions by e-mail or fax.

Papers must be in trouble-free, high resolution PDF format, formatted for US Letter (8.5" x 11") paper, using Type 1 or TrueType fonts. Papers may be no longer than 6 pages including references, and formatted in AAAI two-column, camera-ready style (see the author instructions page). Please note that these formatting instructions are for final, accepted papers; no additional pages can be purchased at the review stage. In addition, the copyright slug may be omitted in the initial submission phase. Please also refer to the instructions on how to prepare your paper for blind review.

Authors will receive confirmation of receipt of their abstracts or papers, including an ID number, 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 January 28, 2010.

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 unpublished 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 below 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.

Authors will have a limited opportunity to respond to initial reviews. This author's feedback may then be taken into account in the final reviews and recommendations. The program committee's reviews will make recommendations to the track cochairs. Although the track cochairs will formally make all final decisions, in practice almost all will be made earlier in the process.

Publication

Accepted papers will be allocated six (6) pages in the conference proceedings. Up to two (2) additional pages may be used at a cost to the authors of US\$275 per page. Final papers exceeding eight (8) pages and those violating the instructions to authors will not be included in the proceedings. Authors will be required to transfer copyright of their paper to AAAI.

Questions and Suggestions

Concerning author instructions and conference registration, write to:

aaai10@aaai.org

Concerning suggestions for the program and other inquiries, write to the Integrated Intelligence Track Cochairs.

Special Track Cochairs

Pat Langley (Arizona State University)
Alan Schultz (Naval Research Laboratory)

AAAI-10 Policy Concerning 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. (The AAAI Nectar and Challenge paper submissions have specific guidelines that can be found in their respective call for papers.)

To encourage interdisciplinary contributions, AAAI will consider work that has been submitted or presented in part elsewhere, if it is unlikely to have been seen by more than a few members of the AAAI audience (however, see the exception for Challenge Track papers). As such, papers may not be dually submitted to other AI or AI subarea conferences. Papers under submission to a journal that contain overlap with AAAI papers will be considered as long as the author specifies the dual submission and certifies that the journal submission contains significant material that is not included in the AAAI submission. Papers that have been published in full in another conference or journal will not be accepted for review. Novelty is an important criterion in the selection of papers.

AAAI requires the following:

Authors must specify the conferences and journals to which the paper has been dually submitted.

Authors must withdraw papers under review or accepted for other AI conference venues if the paper is submitted to AAAI.

Papers not dually submitted should so indicate on the title page.

For questions as to whether a given meeting is considered under the dual submission policy, or for clarifications of this policy, submitters should contact the Program Chairs.