



The Twenty-Fifth AAAI Conference on Artificial Intelligence Special Track on Integrated Intelligence

Sponsored by the Association for the Advancement of Artificial Intelligence

Integration across multiple components of intelligence is required over the long term to achieve the AI grand challenge of developing computational systems capable of general human-level intelligence - and possibly beyond - whether such systems take the form of software agents, robots, or virtual humans. It is also critical in the shorter term to solve many complex, real-world problems.

The Integrated Intelligence special track presents papers that describe significant integrations of two or more components. Significance here is a function of both the set of components being integrated and the approach taken to their integration. One part of this function focuses on novelty, with respect to both the component set and the integration approach. A second part focuses on impact. Does this integration yield important synergies not previously achieved? Does the integration approach provide value added beyond previous approaches, if any, to integrating comparable components? The final part focuses on evidence; and, in particular, on how compelling the evidence, whether theoretical or experimental, is for the claimed impacts.

Relevant component technologies include but are not limited to:

- ☞ Reasoning and inference
- ☞ Planning and problem solving
- ☞ Memory and knowledge
- ☞ Decisions and control
- ☞ Reflection and metacognition
- ☞ Natural language processing, dialogue and interaction
- ☞ Nonverbal communication
- ☞ Perceptuomotor processing, localization and navigation
- ☞ Adaptation and learning
- ☞ Affect and emotion
- ☞ Resource management

Submissions

Papers will be reviewed by qualified reviewers drawn from a special track committee as well as the general program committee. Submissions to this special track deemed not to be relevant may be considered for review for the general technical papers track at the discretion of the track and conference cochairs.

- ☞ Registration will close at 11:00 PM PST on February 3, 2011.
- ☞ Abstract submission will close at 11:59 PM

Timetable for Authors

- ☞ February 3, 2011: Electronic abstracts due
- ☞ February 8, 2011: Electronic papers due
- ☞ April 15, 2011: Notification of acceptance or rejection
- ☞ May 3, 2011: Camera-ready copy due at AAAI office

PST on February 3, 2011.

- ☞ Final paper submission will close at 11:59 PM PST on February 8, 2011.

Abstract and Paper Submission

Electronic abstract and paper submission through the AAAI-11 special track 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 at www.aaai.org/Publications/Author). 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 blind-review webpage for 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 February 15, 2011.

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 guidelines of the AAAI policy on multiple submissions are fully detailed on the AAAI-11 website 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 senior program committee, which in turn 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 aaai11@aaai.org. Concerning suggestions for the program and other inquiries, write to the special track cochairs.

Special Track Cochairs

Paul Rosenbloom and William Swartout
(University of Southern California)