

Call for Papers

AI and the Web Special Track

July 22–26, 2007 Vancouver, British Columbia

Sponsored by the American Association for Artificial Intelligence

Photo courtesy John Sinai, Tourism Vancouver

The web has evolved from a simple hypertext standard into a ubiquitous, global information system including virtually all of human knowledge. Today's web provides ready access to not only text, images and audio files, but also to structured and semistructured information, sensor data, composable services and communities of people. It offers an open and decentralized environment in which anyone can publish information and services coupled with powerful search engines and agents to discover them. All of this is ubiquitously available from wired, wireless, and mobile devices. The result is an environment enormously useful to people for research, learning, commerce, socializing, communication and entertainment. We have just begun to explore how this vast amount of machine accessible knowledge can be exploited and used by machines to better serve human needs as well as to discover new knowledge.

The special track invites research papers on AI techniques, systems, and concepts involving or applied to the web. Papers should either describe web related research or clearly explain how the work addresses problems, opportunities or issues underlying the web or web-based systems. Relevant topics include the following:

- AI for web services: semantic descriptions, planning, matching and coordination
- AI for web-based collaboration and cooperation
- Agents and multiagent systems on the web
- Enhancing web search and information retrieval
- Human language technologies for web systems, including information extraction, question answering, text summarization, machine translation, and NLP.
- Information integration on the web
- Intelligent user interfaces for web systems
- Knowledge acquisition from the web
- Languages, tools and methodologies for representing, managing, and visualizing semantic web data
- Link-analysis and graph mining on the web
- Machine learning and the web
- Mining web logs, query logs, blogs
- Ontologies and the web: creation, extraction, evolution, mapping, merging, and alignment; tags and folksonomies
- Recognizing web spam such as link farms and splogs
- Representing, reasoning and using provenance, trust, privacy, and security on the web
- Searching, querying, visualizing and interpreting the semantic web
- Social networking and community identification
- Web personalization and user modeling
- Web-based opinion extraction and trend spotting
- Web-based recommendation systems

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.

Submissions and Dates

Electronic abstract and paper submission through the AAAI-07 AIW paper submission site is required. 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. Please refer to the AAAI website for instructions on how to format and 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 13, 2007.

Submissions to Other Conferences or Journals

Submissions 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 on the AAAI 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.

Papers must be received by February 27, 2007. Decisions on the acceptance of papers will be made by March 29, 2007. Authors of accepted papers will be required to transfer copyright.

Michael Wellman (University of Michigan), Cochair
Charles Rich (Mitsubishi Electric Research Labs), Cochair
Bill Swartout (USC Institute for Creative Technologies), Cochair