The special track on Artificial Intelligence and the Web (AIW) focuses on the use and extension of AI concepts and techniques for the world wide web.

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 text summarization and machine translation
- Information extraction 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
- Question answering on the web
- 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 co-chairs.

**Author Registration**

Authors must register at the AAAI-08 AIW web-based technical paper submission site, which will be accessible from this site after December 1, 2007. 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-08 AIW paper submission site, which will be accessible from this site after December 1, 2007. 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.

**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: aaai08@aaai.org. Concerning suggestions for the conference and other inquiries, write to the AIW Track Cochairs:

- Oren Etzioni (University of Washington)
- Craig Knoblock (University of Southern California)