CALL FOR PAPERS

# Semantic Web and Software Agent Technologies

**Part of the Digital Media: Content and Communication Track**

**Thirty-ninth Annual**
**Hawai'i International Conference on System Sciences**
**January 4 - 7, 2006**
**Hyatt Regency, Kauai**

Additional detail may be found on HICSS primary web site: http://www.hicss.hawaii.edu
Mirror sites: http://hicss.sepa.tudelft.nl/ and http://www.is.cityu.edu.hk/hicss/

The Semantic Web seeks to extend the World Wide Web from a web for human users to a web for machines as well, where machines provide a powerful assist to the human users. The World Wide Web requires the human user to find data and to provide semantic understanding to bridge multiple data sources, discern data suitability, and fuse data for human understanding. The Semantic Web empowers Software Agents to perform these tasks more rapidly, more thoroughly, and more concisely, freeing the human user to focus on understanding and decision-making.

The use of Software Agents is an integral part of the Semantic Web, and the use of Software Agents, both capitalizing on Semantic Web technologies and in non-Semantic Web applications, is gathering momentum and is of strong interest to this workshop.

Papers describing unpublished, original work are solicited on any topic from state-of-the-art research or practice in software development and its application in industry; that discuss approaches for tailoring software and information systems for institutional, industrial and commercial use. Explain in-depth the approaches that produce more effective (efficient, secure, dependable) systems (e.g., adaptive intelligent agent based systems) and emphasize the use of proper methodologies and formal practices to improve software productivity. Topics of interest include (but are not limited to):

- Semantic Web
- Software Agents
- And their applicability to:
  - Web Services
  - Grid Computing
  - Global Information Grid
  - Security
- Semantic Grid
- Textual, image, and sensor data analysis
- Scientific, business, and military data analysis
- Distributed Information fusion and federation
- Data visualization
- Ontologies
- Other related technologies

**Workshop Chairs**

Mark T. Elmore
Oak Ridge National Laboratory
ElmoreMT@ornl.gov

Thomas E. Potok
Oak Ridge National Laboratory
PotokTE@ornl.gov

## IMPORTANT DEADLINES

| | |
|---|---|
| **Abstracts** | - Authors may contact Minitrack Chairs for guidance and indication of appropriate content at anytime. |
| **June 15** | - Authors submit full papers to the Peer Review System, following Author Instructions found on the HICSS web site ([www.hicss.hawaii.edu](www.hicss.hawaii.edu)). All papers will be submitted in <u>double column</u> publication format and <u>limited to 10 pages including diagrams and references</u>. Papers undergo a double-blind review. |
| **August 15** | - Acceptance/Rejection notices are sent to Authors via the Peer Review System. |
| **September 15** | - Authors submit Final Version of papers following submission instructions on the Peer Review System web site. At least one author of each paper must register by this date with specific plans to attend the conference to present the paper. Early Registration fee $525 applies. |
| **October 2** | - General Registration fee $575 applies until December 10. |
| **December 10** | - Deadline to guarantee your hotel room reservation at conference rate.<br>- Deadline to receive conference registration refund.<br>- Late registration fee $675 applies. |

## INSTRUCTIONS FOR PAPER SUBMISSION

• HICSS papers must contain <u>original material</u> not previously published, nor currently submitted elsewhere.

• Consult the conference website ([www.hicss.hawaii.edu](www.hicss.hawaii.edu)) for the listing and description of Minitracks for HICSS-39.

• (optional) Contact the Minitrack Chair(s) by email for guidance and verification of appropriate content.

• <u>Do not</u> submit the manuscript to more than one Minitrack Chair. If unsure of which Minitrack is appropriate, submit abstract to the Track Chair for guidance.

• HICSS will conduct double-blind reviews of each submitted paper.

• Submit full paper according to detailed instructions found on the Peer Review System website.

## HICSS-39 CONFERENCE TRACKS
**Collaboration Systems and Technology**
Co-chair: Robert O. Briggs   bbriggs@GroupSystems;
Co-chair: Jay Nunamaker     nunamaker@cmi.arizona.edu

**Decision Technologies for Management**
Chair: Dan Dolk   drdolk@nps.edu

**Digital Media: Content and Communication**
Chair: Michael Shepherd   shepherd@cs.cal.ca

**E-Government**
Chair: H. Jochen Scholl   jscholl@u.washington.edu

**Information Technology in Health Care**
Chair: William Chismar  chismar@hawaii.edu

**Internet & the Digital Economy**
Co-chair: David King    david.king@jda.com; Co-chair: Alan Dennis  ardennis@indiana.edu

**Knowledge Management Systems**
Co-chair: Murray Jennex    murphjen@aol.com; Dave Croasdell    davec@unr.edu

**Organizational Systems & Technology**
Chair: Hugh Watson   hwatson@terry.uga.edu

**Software Technology**
Chair: Gul Agha   agha@cs.uiuc.edu

HICSS conferences are devoted to advances in the information, computer, and system sciences, and encompass developments in both theory and practice.   Invited papers may be theoretical, conceptual, tutorial or descriptive in nature.  Submissions undergo a double-blind peer referee process and those selected for presentation will be published in the Conference Proceedings. Submissions must not have been previously published.

**CONFERENCE ADMINISTRATION**
Ralph Sprague, Conference Chair
Email:  sprague@hawaii.edu

Sandra Laney, Conference Administrator
Email:  hicss@hawaii.edu

Eileen Robichaud Dennis, Track Administrator
Email: eidennis@indiana.edu

**2006 CONFERENCE VENUE**
Hyatt Regency Kauai
1571 Poipu Road
Koloa, Kauai HI 96756
1-808-742-1234
http://Kauai.hyatt.com