

CALL FOR PAPERS

Submission Deadline: September 14, 2009

AI Tools for HCI Modeling

A special issue of the *International Journal on Artificial Intelligence Tools*

Research in Human-Machine systems increasingly requires techniques which reliably capture user data, model Human-Computer Interactions and identify behavioral patterns. This special issue will present innovative sophisticated AI tools to meet the challenges of modern Human-Machine systems in processing, analyzing, modeling and interpreting data and information. The aim of the special issue is to provide a collection of substantial research in the intersection between HCI and AI, and to raise awareness of advanced AI tools for HCI modeling.

Submissions with novel AI tools that employ Artificial, Biological and Computational Intelligence, and Data Mining methods for HCI modeling are invited. Topics of interest may focus on:

- AI tools for user modeling and human behavior modeling;
- Pattern mining and machine learning techniques for modeling HCI;
- Techniques for modeling and personalization in learning environments, e-business applications, adaptive interfaces, recommendation systems, gaming and virtual worlds;
- Methods for representation and management of user-related data in Semantic Web applications;
- Intelligent tools for visualization of user generated data and interactive behaviors;
- Web Intelligence and interaction modeling;
- Hybrid techniques and synergistic approaches for HCI modeling and interactive systems.

Papers should not have been submitted or published elsewhere but could be extended or refined versions of conference papers with significant new, original material and are expected to differ from the conference version by at least 30% across all sections. All papers will be refereed according to the guidelines of the journal (<http://www.worldscinet.com/ijait/mkt/guidelines.shtml>).

Important dates

Deadline for authors to submit papers: September 14, 2009

Notification of review results: February 25, 2010

Deadline for final version of paper: March 30, 2010

Notice of final decision: May 30, 2010

Camera-ready submission: June 15, 2010

Publication: vol. 19, n5, October 2010 (approx. date depending on the workload of the journal)

The submission process

Submissions should be in camera-ready version following the journal instructions, which are available at <http://www.worldscinet.com/authors/stylefiles.shtml>. Contributors should submit manuscripts (12-36 IJAIT pages long) electronically to the Guest Editor:

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