



Information Sciences

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Special Issue Call for Papers

“Virtual Agent and Organization Modeling: Theory and Applications”

Guest Editor(s)

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Aims and Scope

Agent system is an important technology to manage Virtual Information Space (VIS) and provide a variety of services to users on VIS. Especially, multiple agents can solve highly complex problems in manners of collaboration and cooperation based on knowledge, intelligence, and semantics. In particular, Virtual Organizations (VOs) are applied to several domains, e.g., e-learning, e-business, and e-government. The aim of this issue is to bring together researchers and practitioners in areas of virtual agents and organizations to share their visions, research achievements and solutions to real applications, to resolve the challenges and to establish worldwide cooperative research and development.

Relevant topics include but not limited to:

- Multimodal interaction with intelligent virtual agents
- Affective interaction and emotion models
- Models of personality and culture
- Human behavior and communication in an organization
- Architectures for virtual agents and robotic agents
- Embodied cognitive modeling
- Knowledge-based agent systems
- Ontology reasoning on agent systems
- Authoring tools for building intelligent virtual agents
- Markup and representation languages

- Agents and avatars in meta-verse, virtual worlds, narrative, and games
- Cooperative perception
- Cooperative localization
- Middleware for multi-robot systems
- Multi-robot mapping and localization
- Networked robots
- Formal models of multi-robot plans
- Applications and user studies

Tentative Schedule

Submission of full papers: 15 July 2009
First decision notification: 15 Sep. 2009
Submission revised papers: 15 Oct. 2009
Final decision notification: 15 Nov. 2009
Final materials to Elsevier: 15 Dec. 2009
Estimated publication date: 2010

Submission Instructions

All papers will be rigorously refereed by at least 2 peer reviewers of the Journal. Submission of a manuscript to this special issue implies that no similar paper is already accepted or will be submitted to any other conference or journal. Authors should consult the "Guide for Authors", which is available online at http://www.elsevier.com/wps/find/journaldescription.cws_home/505730/authorinstructions for information about preparation of their manuscripts. Manuscripts should be submitted via the Elsevier Editorial System <http://ees.elsevier.com/ins/>. Please choose "Special issue: **VAOM**" when you reach the Article Type step. First time users need register themselves as Author.