

Call for Papers

Special Issue on

Modeling and Simulation for Intelligent Mobility



Journal of Computational Science

Editor-in-Chief: Peter Sloot

<http://www.journals.elsevier.com/journal-of-computational-science/>



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Overview

Transportation represents one seventh of the world's economy. There are many system and software technologies and hybrid intelligence being used to make transportation more clean, efficient, connected and safe. The next generation of connected vehicles is an emerging field, which crosses multiple disciplines including automotive, intelligent transportation, information technology, communications, energy, etc.

This special issue aims to foster the dissemination of high quality research in computational thinking, modern computational methods, modeling and simulation for enabling Intelligent Mobility. Original research articles are solicited in all aspects, including vehicle behavior modeling, environmental awareness, autonomous vehicles and systems, telematics, swarm intelligence, social economics, and experimental prototypes or tools realizing intelligent mobility. The papers will be peer reviewed and selected on the basis of both their quality and their relevance to the theme of this special issue.

Topics of interest include, but are not limited to:

Computational modeling and methodologies for Intelligent Mobility: Issues related to modeling and algorithms that enable the integration of computational intelligence into future mobility. Examples include the artificial neural network, agent-based modeling, fuzzy algorithms, evolutionary algorithms, machine learning, awareness, statistical techniques, cognitive models, etc. to prompt the growth of the intelligent mobility.

Theory, enabling technologies and tools for Intelligent Mobility: Techniques and methods relating to the implementation of intelligent mobility concepts, including autonomous vehicles and human-like systems. Examples include data mining, information processing, recommendation systems, personalization and adaptation, services and system optimization for intelligent mobility.

Cases/Studies of Intelligent Mobility: Practical and real-world experience that demonstrate the value of incorporating computational intelligence in transportation and mobility.

Submission & Review Instruction

Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. Submissions must be directly sent via the JoCS submission web site at <http://ees.elsevier.com/jocs/login.asp> (please select the track - **SI: Intelligent Mobility**).

Paper submissions must conform to the layout and format guidelines in Journal of Computational Science. For a full and complete Guide for Authors, please refer to: <http://www.journals.elsevier.com/journal-of-computational-science/>

Each submitted paper will be reviewed by at least three Editorial reviewers Criteria and Evaluation for acceptance of paper:

- Significance to the journal's audience
- Relevance to this special issue
- Quality of the paper including originality, technical depth, significance of results, adequacy of priori works referenced, overall organization, clarity and readability, satisfactory English writing, sufficient support for assertions and conclusion, appropriate title, abstract adequately summarizes the paper, introduction provides proper orientation, clear tables and figures.
- Overall recommendation on the paper
- Optional confidential comments to the Editorial Committee

Schedule

Paper submission (regular submission):	June 30, 2014
Extended version of conference best paper	September 30, 2014
1st round review notification:	November 31, 2014
1st revision due:	January 15, 2015
2nd round review notification:	February 28, 2015
2nd revision due:	March 31, 2015
Final acceptance approved by EiC:	April 15, 2015 <tentative>

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