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SPECIAL ISSUE ON

Simulation Tools and Techniques for Communications and Networking

Overview:

Authors of SIMUtools 2018 are invited to submit their papers that are considerable extensions of the already accepted for presentation and publication at the SIMUtools 2018 to this special issue. SIMUtools 2018 focuses on a broad range of research challenges in the field of simulation, modeling and analysis, addressing current and future trends in simulation techniques, models, practices and software. SIMUtools 2018 is dedicated to fostering interdisciplinary collaborative research in these areas and across a wide spectrum of application domains.

SIMUtools 2018 invites submissions on the topics below in all application areas of simulation. Submissions in interdisciplinary areas are especially encouraged (e.g. Smart Cities, Health, Environment, Societal Challenges, Digital Humanities, Security, IT Infrastructure, Manufacturing, Business). SIMUtools 2018 also invites posters and technical demonstrations that report on recent results, ongoing research or industrial case studies in the area of simulation.

Topics

Topics of interest include, but are not limited to, the following scope:

<ul style="list-style-type: none">- Simulation methods: discrete event, parallel and distributed simulation, time synchronization, load balancing and migration, model partitioning, hybrid simulation, simulation-interoperation, multi-resolution and multi-scale simulation- Simulation software: environments, tools, libraries, and frameworks- Modeling formalisms: DEVS, Petri Nets, process algebras, state charts, and others- Simulation packages: widely used frameworks such as Modelica, ns-2/3, OPNET, Qualnet, OMNET++, Mininet, and other open source software for modeling and simulation	<ul style="list-style-type: none">- Simulation techniques: service-oriented, agent-based, web-based, component-based, symbiotic simulation- Simulation performance: GPU-based simulation, simulation in the cloud, scalability, performance analysis- Simulation verification, validation, accreditation, and analysis: benchmark models, simulation-based verification, workflows, simulation experiment design, and optimization
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Important Dates

- **Manuscript submission deadline: May 1, 2019**
- Notification of acceptance: July 1, 2019
- Submission of final revised paper: September 1, 2019
- Publication of special issue (tentative): December 1, 2019

Submission Procedure

Authors should follow the MONET Journal manuscript format described at the journal site. Manuscripts should be submitted on-line through <http://www.editorialmanager.com/mone/>.

A copy of the manuscript should also be emailed to the Guest Editors at the following email address: jiangdd@uestc.edu.cn

Guest Editors:

Houbing Song, Embry-Riddle Aeronautical University, USA

Email: Houbing.Song@erau.edu

Dingde Jiang, University of Electronic Science and Technology of China, China

Email: jiangdd@uestc.edu.cn

Burak Kantarci, University of Ottawa, Canada

Email: burak.kantarci@uottawa.ca

Haijun Rong, Xi'an Jiaotong University, China

Email: hjrong@xjtu.edu.cn

Huihui Wang, Jacksonville University, USA

Email: hwang1@ju.edu



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