HiP MoS 2017 — ECMS'17

High Performance Modeling and Simulation

May 23rd - 26th, 2017, Budapest, Hungary
to be held under the framework of
The 31st European Conference on Modeling and Simulation

Call for Papers

Scope and Description

The aim of High Performance Modeling and Simulation (HiPMoS) is to present innovative academic and industrial research, methods, and techniques related to all aspects of modelling and simulation that employ high-performance computing technologies. Contribution can range from concepts and theoretical developments to advanced technologies and innovative applications. Topics of interest for the workshop include but are not limited to the following:

- Biologically Inspired Modelling and Simulation;
- Advanced in Cloud and Grid Computing;
- High-Performance Modelling and Simulation for Big Data Applications;
- Intelligent Network Modelling and Simulation;
- Data Intensive Computing and Data Mining;
- Social Networks;
- Simulation of Mobile Systems;
- Security Awareness and Energy Effectiveness in Distributed Data and Information Management;
- Parallel and Distributed Meta- and Hyper-Heuristics;
- e-Health Large Scale Systems;
- Distributed Global/Polynomial Optimisation;
- Large Parallel and Distributed Multi-Agent Systems;
- Intelligent Mechanisms/Heuristics/Rules for Scheduling;
- Resource Allocation and Management in P2P, Grid, Cluster, Cloud Computing and Big Data oriented systems;
- Complex Machine Learning;
- Queuing Systems Modelling and Simulation;
- Performance Modelling and Analysis of Information and Telecommunication Systems and Networks;
- Information Flows Modelling and Analysis;
- Overload and Flow Control Modelling and Simulations;
- Assessment of efficiency, reliability and stability (tolerance) of high performance information systems;
- Theory of Multiformalism and Multiparadigm modelling and applications to distributed systems, complex systems and critical systems;
- Modelling and simulation of Cyber Physical Systems;
- Modelling of information systems by probability theory and stochastic processes methods and techniques;
- Statistical methods for the analysis of information systems.

Chairs:

Mauro Iacono
Seconda Università degli Studi di Napoli, Italy

Rostislav Razumchik
Institute of Informatics Problems FRC CSC RAS, Russia

Agnieszka Jakóbik
Cracow University of Technology, Poland

Daniel Grzonka
Cracow University of Technology, Poland

Honorary Chair:

Joanna Kolodziej
Cracow University of Technology, Poland

Track Chairs and Program Committee:

Please refer to the HiPMoS web site:
http://www.dem.unina2.it/hipmos

We will appreciate if perspective authors will help the management of HiPMoS by submitting a declaration of interest in PDF with the title and a short abstract (1 page) of their work on or before January 6, 2017 by email to: mauro.iacono@unina2.it
Paper submission deadline: February 3, 2017

Post Conference Publications

The authors of the best papers will be invited to submit their work to fast track sections of Journal of High Speed Networks (IOS Press), Soft Computing (Springer) and Journal of Telecommunications and Information Technology, all indexed by Scopus.