



## High Performance Modelling and Simulation (HiPMOS 2012)

May 29<sup>th</sup> - June 1<sup>st</sup>, 2012, Koblenz-Landau University, Germany

to be held under a framework of

The 26<sup>th</sup> European Conference on Modelling and Simulation (ECMS 2012)



### Call for Papers

#### Track Scope and Description

The aim of the track 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. Contributions 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:

- Large Scale Systems for Computational Sciences.
- Biologically inspired Systems Modelling and Simulation.
- Large Scale / Combinatorial Scientific Computing.
- Parallel/Distributed Meta- and Hyper-Heuristics.
- Large-scale/Collaborative Problem Solving Environments.
- Distributed Global/Polynomial Optimisation.
- Large Parallel/Distributed Multi-Agent Systems.
- Data and Computing Simulation/Modelling.
- Intelligent Mechanisms/Heuristics/Rules for Scheduling, Resource Allocation and Management in P2P, Grid, Cluster, and Cloud Computing.
- Large/Complex Machine Learning.
- Nature-inspired Methods/Heuristics for Large Problem Solving Environments.
- Algorithms and Applications relating the above mentioned research areas.

#### Track Organizers:

**Joanna Kolodziej**

University of Bielsko-Biala, Poland  
email: [jkolodziej@ath.bielsko.pl](mailto:jkolodziej@ath.bielsko.pl)

**Philip Moore**

Birmingham City University, UK  
[philip.moore@bcu.ac.uk](mailto:philip.moore@bcu.ac.uk)

**Hai V. Pham**

Ritsumeikan University, Kusatsu, Shiga,  
Japan  
[hai@spice.ci.ritsumei.ac.jp](mailto:hai@spice.ci.ritsumei.ac.jp)

**Horacio Gonzalez-Velez**

Robert Gordon University, Aberdeen, UK  
[h.gonzalez-velez@rgu.ac.uk](mailto:h.gonzalez-velez@rgu.ac.uk)

#### Submission Guidelines:

The authors should submit their papers according the Author kit Instructions available at the conference webpage:

<http://www.s.cs-europe.net/conf/ecms2012/authorkit.html>

#### Publications:

The authors of the best papers will be invited to contribute to our post conference publications. See: <https://sites.google.com/site/hipmos/post-conference-publications> for the details.

#### Important dates:

**Submission deadline: February 16, 2012**

Author notification: **March 20, 2012**

Final paper /registration: **April 17, 2012**

**Conference dates: May 29-June 1, 2012**

<http://sites.google.com/site/hipmos/>