

# CALL FOR PARTICIPATION

## Workshop on Optimization Issues in Grid and Parallel Computing Environments

As part of  
The 2009 International Conference on High Performance Computing & Simulation  
(HPCS 2009)

and in conjunction with  
The 5<sup>th</sup> International Wireless Communications and Mobile Computing Conference  
(IWCMC 2009)

Leipzig, Germany  
June 21 - 24, 2009



**Submission Deadline: March 5, 2009**

### **Brief Description:**

Grid and parallel computing face different challenges based on the security, reliability and trust in such environments. Indeed, there is an increasing demand for measures to guarantee the privacy, integrity and availability of resources in distributed systems. These challenges include issues such as the certification of results, the single or multi-objective optimization of environment parameters and protocols, the robustness of the underlying middleware, etc. New generations of mobile grids based on context-aware services bring yet another dimension of complexity.

The goal of this workshop is to bring together those interested in addressing issues of concern and challenges related to optimization, computational sciences, and high performance computing and how recent technologies might help solve these problems.

Both theoretical papers and papers describing practical experiences will be welcome.

**Workshop Topics (but is not limited to):**

The workshop is intended to address recent advances in new generations of algorithms, protocols and middleware for grids/parallel computing environments that may include:

- Fault Tolerant Algorithms
- Deterministic and Probabilistic Certification of Results
- Static and Dynamic Robust Scheduling of Tasks
- Optimization of Protocols/Algorithms/Middleware
- Self-Adapting and/or Self-Configuring Algorithms (in Mobile Environments)
- Topology Control Algorithms (in Mobile Environments)
- Intrusion Detection Detection
- Trust Management
- Validation and Testing of Algorithms/Protocols
- Optimization Using Grids

**Paper Submissions:**

Submitted papers must not have been published or simultaneously submitted elsewhere. Submission should include a cover page with authors' names, affiliation addresses, fax numbers, phone numbers, and email addresses. Please, indicate clearly the corresponding author and include up to 6 keywords from the above list and an abstract of no more than 350 words. The full manuscript should be at most 7 pages using the two-column IEEE format. Additional pages will be charged additional fee. Please include page numbers on all submissions to make it easier for reviewers to provide helpful comments. All submissions should be appropriately anonymized (i.e., papers should not contain author names, affiliations, or obvious citations). Please submit a PDF copy of your full manuscript as attachment via the email [gregoire.danoy@uni.lu](mailto:gregoire.danoy@uni.lu). Your submission will be acknowledged within 48 hours.

Only PDF files will be accepted. Each paper will receive a minimum of three reviews. Authors of accepted papers must guarantee that their papers will be presented at the workshop. Accepted papers will be published by ECMS in the conference proceedings which will be available at the time of the meeting.

If you have any questions about paper submission or the workshop, please contact the organizers.

**Important Dates:**

<b>Paper Submissions:</b> -----	<b>March 5, 2009</b>
<b>Acceptance Notification:</b> -----	<b>March 30, 2009</b>
<b>Camera Ready Papers and Registration Due:</b> -----	<b>April 24, 2009</b>

## **Workshop Organizers:**

**Prof. Pascal Bouvry** ([Pascal.Bouvry@uni.lu](mailto:Pascal.Bouvry@uni.lu))

**Dr. Grégoire Danoy** ([Gregoire.Danoy@uni.lu](mailto:Gregoire.Danoy@uni.lu))

**Dr. Bernabé Dorronsoro** ([Bernabe.Dorronsoro@uni.lu](mailto:Bernabe.Dorronsoro@uni.lu))

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## **Workshop Program Committee:**

All submitted papers will be rigorously reviewed by the special session technical program committee members.

*Workshop Program Chair:* **Prof. Pascal Bouvry**, University of Luxembourg, Luxembourg

*Workshop International Program Committee:*

**Enrique Alba**, University of Malaga, Spain

**Farhad Arbab**, CWI, Amsterdam, The Netherlands

**Jacek Blazewicz**, Technical University of Poznan, Poland

**Grégoire Danoy**, University of Luxembourg, Luxembourg

**Bernabé Dorronsoro**, University of Luxembourg, Luxembourg

**Frédéric Guinand**, University of Le Havre, France

**Luc Hogie**, INRIA Sophia-Antipolis, France

**Djamel Khadraoui**, CRP-Tudor, Luxembourg

**Ricky Kwok**, Colorado State University, Fort Collins, USA

**Jean-Louis Pazat**, INSA Rennes, France

**An Le Thi Hoai**, University of Metz, France

**Carlos H.C. Ribeiro**, Instituto Tecnológico de Aeronáutica, São José dos Campos – SP, Brazil

**Steffen Rothkugel**, University of Luxembourg, Luxembourg

**Franciszek Seredynski**, Polish Academy of Sciences, Warsaw, Poland

**Peter Sturm**, University of Trier, Germany

**El-Ghazali Talbi**, INRIA-Futurs, Lille, France

**Sébastien Varrette**, University of Luxembourg, Luxembourg

**Albert Y. Zomaya**, University of Sydney, Australia

If you have any questions about conference paper submission, please contact Conference Program Chair: **Waleed W. Smari**, Dept. of Electrical and Computer Engineering, University of Dayton, 300 College Park, Dayton, OH 45469-0226, USA, Voice: (937) 229-2795, Fax: (937) 229-4529, Email: [Waleed.Smari@notes.udayton.edu](mailto:Waleed.Smari@notes.udayton.edu) or consult the conference web site at <http://cisedu.us/cis/hpcs/09/main/callForPapers.jsp>.

For information about the IWCMC conference in general, please contact the General Chair: Mohsen Guizani, (Western Michigan University, [mguizani@ieee.org](mailto:mguizani@ieee.org)). The IWCMC Conference web site is at <http://iwcmc.com/>.