

**Second International Workshop on  
Security and Performance in Cloud Computing  
(SPCLOUD 2012)**

**<http://www.spcloud.org/>**

**CALL FOR PAPERS**

Part of  
**The International Conference on High Performance Computing & Simulation  
(HPCS 2012)**  
**In Cooperation with the ACM, IEEE, IFIP**

**July 2 – 6, 2012  
Madrid, Spain**

**(Paper Submission Deadline: 26 February 2012)**

**<http://hpcs2012.cisedu.info/>**

**SCOPE AND OBJECTIVES**

Cloud computing systems open a new perspective on almost every aspect of computing. Some security issues raised by cloud computing are alleviated by virtualization but the performance overheads should be balanced against this advantage. Dynamic scalability or “elasticity” will help generalize high-performance computing and very large data sets in applications. But the actual gains in performance depend heavily on the predictability of physical and virtualized resources. Consequently, the balancing of performance against security and the adaptation of HPC or VLDB techniques to cloud computing are of strategic importance and will have long-lasting scientific impact.

The second SPCLOUD workshop will bring together researchers and IT practitioners to present new results and ongoing work on the themes of security and performance in the cloud.

**The Workshop topics include (but are not limited to) the following:**

- Reliability and Security of Cloud Environments
- Monitoring for Cloud-Based Applications
- Cryptography and Crypto-Protocols for Cloud Computing Systems
- Parallel Computing With Cloud-Based Systems
- Very Large Databases In The Cloud: Transactions, Backup, Security, Scalability
- Security and Virtualization
- Risk Management in Cloud Computing Environments
- Usability and Human Centered Security for Clouds
- Trusted Data Sharing and Shared Technology Issues
- Untrusted Cloud Servers and Networks
- Privacy Protection in Cloud Platforms and Operations

- Autonomic Security in Cloud Computing
- Intercloud Security Issues and Considerations
- Insecure Interfaces and APIs
- Insiders Threats
- Security Models for New Services
- Services Hijacking
- Interoperable Identity Management
- Information Hiding in Cloud Computing
- Forensics in the Clouds
- Cloud Infrastructure Security
- Use of cloud systems for scalable high-performance computing
- Performance overhead of virtualization
- Monitoring of cloud systems, alerts for resource consumption.

**SPCLOUD welcomes submission of papers describing:**

- Experimental work to measure existing systems and applications
- Industrial experience relevant to the Workshop's themes
- Theoretical work on specific new models
- Software and hardware platforms from the angle of security and performance
- Short papers describing ongoing work.

Submitted papers should highlight their application or relevance for cloud computing.

**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 of topics and an abstract of no more than 450 words. The full manuscript should be at most 7 pages using the two-column IEEE format. Additional pages will be charged at additional fee. Please include page numbers on all preliminary submissions to make it easier for reviewers to provide helpful comments.

**Submit a PDF copy of your full manuscript via email to the Workshop organizers at [gaetan.hains@u-pec.fr](mailto:gaetan.hains@u-pec.fr) and [khmelevsky@acm.org](mailto:khmelevsky@acm.org).**

Only PDF files will be accepted. Each paper will receive a minimum of three reviews. Papers will be selected based on their originality, relevance, technical clarity and presentation. Authors of accepted papers must guarantee that their papers will be registered and presented at the workshop. Accepted papers will be published in the conference proceedings which will be made available at the time of the meeting. If you have any questions about paper submission or the Workshop, please contact the organizers.

**IMPORTANT DATES**

**Paper Submissions: ----- February 26, 2012**  
**Acceptance Notification: ----- March 14, 2012**  
**Camera Ready Papers and Registration Due: ----- April 11, 2012**  
**Conference Dates: ----- July 2-6, 2012**

## **WORKSHOP ORGANIZERS**

### **Prof. Gaétan Hains**

LACL, Université de Paris-Est  
61 avenue du Général de Gaulle 94000  
Créteil, France  
Phone: +33 (0)145 17 65 95  
Fax: +33 (0)145 17 66 01  
Email: [gaetan.hains@u-pec.fr](mailto:gaetan.hains@u-pec.fr)

### **Prof. Youry Khmelevsky**

Computer Science Department  
Okanagan College, Kelowna BC, V1Y  
4X8 Canada  
Phone: +1 250 762-5445 ext. 4741  
Fax: +1 250 862-5632  
Email: [khmelevsky@acm.org](mailto:khmelevsky@acm.org)

### **International Program Committee:**

All submitted papers will be rigorously reviewed by the workshop technical program committee members following similar criteria used in HPCS 2012. Programme committee members:

- **Mostafa Bamha**, LIFO - Université d'Orléans, France
- **Radu Calinescu**, Aston University, UK
- **Cécile Germain-Renaud**, Université Paris-Sud, France
- **Gaétan Hains**, LACL - Université Paris-Est, France
- **Youry Khmelevsky**, Okanagan College, British Columbia, Canada
- **Ramon Lawrence**, University of British Columbia - Okanagan, BC, Canada
- **Christian Toinard**, LIFO, ENSI-Bourges, France
- **Vasyliy Ustimenko**, Maria Curie-Skłodowska University (UMCS), Poland
- **Ali Yazici**, Atilim University, Ankara, Turkey

For information or questions about final camera-ready papers, the conference location, registration, paper formatting, etc., please consult the Conference's web site at URL: <http://hpcs11.cisedu.info/> or contact one of the Conference's organizers. If you have any questions about the HPCS 2012 conference paper submission, please contact Conference Program Chair: Waleed W. Smari, Voice: +1 (937) 681-0098, Email: [smari@arys.org](mailto:smari@arys.org).