CALL FOR PAPERS

Special Issue of *International Journal of Network Management* on

Management and Security technologies for Cloud Computing

PUBLICATION: **September-October 2013**

In the last five years, Cloud Computing (CC) has generated increasing interest from both industry and academia. CC is considered as the realization of utility computing and builds on the widespread adoption of virtualization and SOA technologies. It aims at providing computing and storage resources, via the Internet, in an on-demand, pay as you go fashion while maintaining the underlying technology transparent to the resource consumer. However, despite its success, recent literature has shown that effectively managing resources in production cloud environments remains to be a difficult challenge. Ensuring security and quality of service, reliability and accountability, improving large-scale operations and maintenance are among the open research issues. In particular, Security and Management appear as two ecosystems of considerable importance for the CC paradigm, which will further benefit from research and the exploitation of potential synergies.

This special issue of *International Journal of Network Management* is seeking new and unpublished contributions addressing issues in the **Management and Security technologies for Cloud Computing** including, but not limited to:

- Auditing, Monitoring and Scheduling
- Business Continuity and Disaster Recovery
- Cloud Architectures, Infrastructures and Workflows
- Cloud Computing and Network Communications
- Cloud Storage, Data Management and Distribution
- Cloud-centric Regulatory Compliance
- Copyright Protection in the Cloud
- Energy Management in Cloud Environments
- Experimental Platforms for Cloud Management Research
- Forensics in Cloud Environments
- Foundations of Cloud Oriented Threat Models
- Intrusion Detection and Prevention
- Legal and Regulatory Frameworks for Clouds
- Management and Security for Cloud-based Services
- Management of Heterogeneous Clouds
- Management of Large Systems
- Metrics, Techniques, and Experiments for Evaluating Cloud Management Architectures
- Mobility Management in Cloud Environments
- Novel Programming Models for Secure Large Computing
- Portability, Interoperability and Standards
- Practical Cryptographic Protocols for Cloud Security
- Practical Privacy Mechanisms for Outsourcing
- QoS & Performance Management in Cloud Computing
- Resource Discovery, Management and Registration
- Robust and Reliable Network Architecture
- Scalable and Robust Scheduling on Heterogeneous Architectures
- Scalable Fault Resilience Techniques for Large Computing
- Secure Computation and Data Outsourcing
- Secure Resource Allocation and Indexing
- Securing Distributed Data Storage in Cloud
- Security and Privacy Policies
- Security Model for New Services
- Security Risk Assessment Models for Clouds
- Self-configuration, Self-healing, Self-monitoring
- Service Integration and Management
- Service level Agreement and Specifications
- Solutions for Big data
- Trust and Identity Management for Clouds
- Trusted Computing Technology and Secure

IMPORTANT DATES

Deadline for submissions:	December 20, 2012
Notification of acceptance:	March 01, 2013
Revised papers to editors due date:	May 15, 2013
Final camera-ready to Wiley:	June 01, 2013
Publication Date:	Sep-Oct 2013

SUBMISSION GUIDELINES

Electronic submission using the manuscript central http://mc.manuscriptcentral.com/nem is required. The author will be called to select the special issue and name of guest editor during submission. Author guidelines for the preparation and submission are also available at http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-1190/homepage/ForAuthors.html

Prof. *Raouf Boutaba*
D.R. Cheriton School of
Computer Science
University of Waterloo
rboutaba@uwaterloo.ca

Prof. *Panagiotis Rizomiliotis*
Dept. of Inf. and Comm. Systems
Engineering
University of the Aegean
prizomil@aegean.gr

Prof. *Charalabos Skianis*
Dept. of Inf. and Comm.
Systems Engineering
University of the Aegean
cskianis@aegean.gr

Dr. *Jianying Zhou*
Security Group
Institute for Infocomm
Research
jyzhou@i2r.a-star.edu.sg

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