

CALL FOR PAPERS



www.aims-conference.org/2014

The AIMS international conference is a single-track event, including conference paper sessions, hands-ons and keynotes, which focuses on early research done by PhD students and young researchers in network and service management and security. The participants find here a dedicated place for getting a constructive feedback by senior scientists and they benefit from tutorials on transversal aspects of a research activity (e.g. publication strategies, paper reviewing, research presentation design). By taking part in a dedicated workshop, the PhD students are invited at an early stage to present and motivate their work as well as their research plans. Finally, by being involved in practical hands-on sessions, PhD students and young researchers will get an up-to-date knowledge combined with basic skills on emerging technologies. This way, AIMS acts as a complementary piece in the set of international conferences in the network and service management community.

AIMS 2014 focuses on the management of infrastructures, services and content, as focal components of the Future Internet. New paradigms as well as autonomic and fully distributed algorithms, virtualization and monitoring techniques or self-organizing overlays have to be investigated to design scalable and resilient frameworks able to deal with dynamic and often domain-specific environments, and also to cope with big data to process and content to be delivered. The design, monitoring, configuration and protection of the next generation of networked systems in an efficient, secure, and autonomic manner are crucial to commercially viable and successful networks and services.

TOPICS OF INTEREST

Authors are invited to submit papers on the following topics, including related fields:

Network and Service Management

- ▶ Wireless networks (ad hoc, mesh, sensor, vehicular, ...)
- ▶ Internet of things
- ▶ Smart cities
- ▶ Smart grids
- ▶ SCADA networks
- ▶ Overlay, grid and virtual networks
- ▶ Big data
- ▶ Software defined networks
- ▶ Data centers and clouds (IaaS, PaaS and SaaS)
- ▶ Content delivery (P2P, CDN, ICN, ...)
- ▶ Social networks
- ▶ Future Internet

Management Functions

- ▶ Intrusion detection
- ▶ Protection of infrastructures and services
- ▶ Security management
- ▶ Configuration management

- ▶ Accounting of systems, services and behaviors
- ▶ Economic traffic management
- ▶ Service provisioning
- ▶ Resilience of management infrastructures and services
- ▶ Privacy and management data
- ▶ Quality of service and experience

Techniques and Methodologies

- ▶ Autonomic and self-management
- ▶ Distributed monitoring and correlation
- ▶ Risk management
- ▶ Knowledge plane design and deployment
- ▶ P2P-based management
- ▶ Modeling of management technologies and procedures
- ▶ Flow based management
- ▶ Scalability of management infrastructures
- ▶ Experimental studies
- ▶ IT service management

GENERAL CHAIR

Pavel Celeda, *Masaryk University, Czech Republic*

TPC CO-CHAIRS

- ▶ Anna Sperotto, *University of Twente, The Netherlands*
- ▶ Guillaume Doyen, *Troyes University of Technology, France*

PhD STUDENT WORKSHOP CO-CHAIRS

- ▶ Steven Latré, *University of Antwerp - iMinds, Belgium*
- ▶ Marinos Charalambides, *University College London, United Kingdom*

IMPORTANT DATES

- ▶ **7 February 2014**
Paper registration deadline
- ▶ **14 February 2014**
Paper submission deadline
- ▶ **17 March 2014**
Notification of acceptance
- ▶ **07 April 2014**
Camera-ready papers due