Submission
Feb 10, 2013
Notification
Mar 19, 2013
Camera-ready
Apr 9, 2013

AIMS 2013

7th International Conference on Autonomous Infrastructure, Management and Security

June 25-28, 2013, UPC Barcelona, Spain
http://www.aims-conference.org/2013/

The AIMS conference is a single-track event integrating normal conference paper sessions, tutorials, keynotes, and a PhD student workshop into a highly interactive event. One of the goals of AIMS is to look beyond borders and to stimulate the exchange of ideas across researchers of different communities and among PhD students. Furthermore, AIMS 2013 integrates 1.5 days of courses and labs which offer hands-on learning experiences in network and service management topics and which require attendees to work in practical on-site courses combined with preceding short tutorial-like teaching sessions.

AIMS 2013 focuses on the theme of managing and monitoring of next-generation networks, network security and services. 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 environments providing big data to process while also protecting privacy. 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.

Conference Paper Submission

Only original, full papers that have not been published or submitted for publication elsewhere can be submitted. Each submission will be limited to 12 pages in the LNCS paper format. Papers exceeding 12 pages, multiple submissions, and self-plagiarized papers will be rejected without further review. Paper submission is handled by the JEMS system, accessible from the AIMS 2013 Web page.

PhD Student Workshop Submission

The PhD student workshop is open to both PhD and prospective PhD students. Authors are invited to submit short papers (4 pages, written in English and in PDF format) describing the current state of their research. The paper should include a clear description of the research problem and the chosen approach, argue why the problem is hard and the approach novel, and it should outline the results achieved to date. Specific, low-level technical details should be avoided. Papers should have no more than two authors – the student and the advisor.

Proceedings

The conference proceedings will be published in Springer's Lecture Notes of Computer Science (LNCS) series and will include the conference papers as well as the PhD student workshop papers.

General Chair
Joan Serrat, Universitat Politècnica de Catalunya

Program Co-chairs
Guillaume Doyen, Troyes University of Technology
Martin Waldburger, University of Zürich

PhD Student Workshop Co-chairs
Pavel Čeleda, Masaryk University
Anna Sperotto, University of Twente

Labs Co-chairs
Juan-Luis Gorricho, Universitat Politècnica de Catalunya
Thomas Schaaf, Ludwig-Maximilians-Universität

Papers on topics are encouraged as listed, including related fields:

Network Management and Operational Experience

- Internet of things
- Sensor networks
- Smart grids
- SCADA networks
- P2P and overlay networks
- Information Centric Networks
- Big data
- Future Internet
- Virtualized environments

Management Functions

- Detection of attacks
- Protection of infrastructures and services
- Security monitoring
- Configuration management
- Accounting of systems, services and behaviors
- Service provisioning
- Resilience of management infrastructures and services
- Privacy of collected data
- Quality of service and experience

Techniques and Methodologies

- Autonomous management
- Distributed monitoring and correlation
- Knowledge plane design and deployment
- Adaptability and self-organization
- P2P-based management
- Modeling of management technologies and procedures
- Machine learning
- Decision algorithms
- Flow-based management
- Scalability of management infrastructures