

AIMS 2012 Call for Papers

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 different communities and among PhD students. Furthermore, AIMS 2012 integrates 2 days of courses and labs which offers hands-on learning experiences in network and service management topics and which requires attendees to work in practical on-site courses combined with preceding short tutorial-like teaching sessions.

AIMS 2012 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. 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.

Authors are invited to submit unpublished papers (written in English) in PDF format that are not under review in any other conference or journal in the following or related topic areas:

- Autonomic network and service management
- Adaptability and self-organization
- Decentralized and distributed management techniques
- Monitoring and visualization of management data and systems behavior
- Accounting of systems, services, and behaviors
- Distributed network analysis and accounting
- Management of grid resources and virtual networks
- Network measurements in large high-speed networks (hardware acceleration in networking)
- Network security monitoring
- Monitoring of special environments (SCADA networks, smart grids, building management systems)
- Protection against distributed attacks and botnets
- Modeling of management technologies and procedures
- Virtualization of resources and services
- Configuration and security in the Internet of Things
- Overlay- and P2P-based management systems
- Socio-economic effects of service provisioning
- Economic traffic management

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 2012 Web page.

PhD Student Workshop Submission

The PhD workshop is open to both PhD and prospective PhD student. 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. Accepted submissions will be published in the AIMS 2012 proceedings.

Best Paper Award

The program committee will select one paper for the Best Paper Award (all regular papers are eligible). The winner will be presented at the conference.

Deadlines

- January 27, 2012 - Conference paper registration and submission deadline
- January 27, 2012 - Ph.D. student workshop paper registration and submission deadline
- March 5, 2012 - Notification about paper and PhD student workshop paper acceptance
- March 26, 2012 - Camera ready paper copies due
- June 4 - 8, 2012 - AIMS 2012 conference and summer school



General Chair

- Radu State, University of Luxembourg

TPC Co-Chairs

- Jiri Novotny, Masaryk University
- Ramin Sadre, University of Twente

TPC Members

- Raouf Boutaba, University of Waterloo
- Isabelle Chrisment, LORIA-University of Nancy
- Alexander Clemm, Cisco Systems
- Marinos Charalambides, University College London
- Alva Couch, Tufts University
- Guillaume Doyen, UTT
- Dominique Dudkowski, NEC Europe Ltd.
- Olivier Festor, INRIA Nancy-Grand Est
- Jerome Francois, University of Luxembourg
- Anandha Gopalan, Imperial College London
- David Hausheer, UC Berkeley and University of Zurich
- James Hong, POSTECH
- Georgios Karagiannis, University of Twente
- Alexander Keller, IBM Global Technology Services
- Jan Korenek, Brno University of Technology
- Vojtech Krmicek, Masaryk University
- Antonio Liotta, Eindhoven University of Technology
- Emil Lupu, Imperial College
- Hanan Lutfiyya, University of Western Ontario
- Hermann De Meer, University of Passau
- Aiko Pras, University of Twente
- Bruno Quoitin, University of Mons
- Danny Raz, Technion
- Gabi Dreo Rodosek, University of Federal Armed Forces Munich
- Juergen Schoenwaelder, Jacobs University Bremen
- Maarten van Steen, Vrije Universiteit
- Burkhard Stiller, University of Zurich
- Robert Szabo, Budapest University of Technology and Economics
- Kurt Tutschku, University of Vienna
- Filip De Turck, Ghent University - IBBT
- Martin Zadnik, Brno University of Technology
- Lisandro Zambenedetti, Granville UFRGS

Local Organization Team

- Thomas Engel, University of Luxembourg
- Jerome Francois, University of Luxembourg
- Magali Martin, University of Luxembourg