IEEE/IFIP NOMS 2012
IEEE/IFIP NETWORK OPERATIONS AND MANAGEMENT SYMPOSIUM
MAUI, HAWAII, USA 16-20 APRIL 2012

NOMS 2012

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CALL FOR PAPERS

The 13th IEEE/IFIP Network Operations and Management Symposium (NOMS 2012) will be held 16-20 April 2012 at The Westin Maui Resort & Spa, Maui, Hawaii, USA. Held in even-numbered years since 1988, NOMS 2012 will follow the 24 years tradition of NOMS and IM as the primary IEEE Communications Society's forum for technical exchange on management of information and communication technology focusing on research, development, integration, standards, service provisioning, and user communities. NOMS 2012 will focus on the theme "Managing the Next Wave of Information and Communications Technologies," presenting recent, emerging approaches and technical solutions for dealing with future network and ICT infrastructures, as well as with novel services provided on top of these infrastructures.

NOMS 2012 will offer five types of sessions: technical, application, panel, and Dissertation Digest. Technical sessions will present high-quality papers on the latest research results in the network operations and management area. Application sessions will include papers focusing on experiences in the IT and telecommunications industries, including but not limited to service providers, OSS vendors, and equipment manufacturers. The application session scope includes customer/user requirements, management system implementations, and business practices. Poster sessions will provide insights into work-in-progress and rapidly evolving hot topics. Panel sessions will focus on business implications, market trends, and emerging applications with panelists who are the technology and business leaders. Dissertation Digest Sessions will select and award the best Ph.D. work in the area of Network and Service management. High quality will be assured through a well qualified Technical Program Committee and stringent peer review of paper submissions.

TOPICS OF INTEREST

Authors are invited to submit papers that fall into or are related to the topic areas that are listed below. In addition, we invite submissions of proposals for technical panels, tutorials, workshops, and application session papers.

Network Management & Operational Experience

☐ Ad-hoc networks
☐ Wireless & mobile networks
☐ Personal Area Networks
☐ IP/MPLS networks
☐ LANs
☐ Optical networks
☐ Sensor networks
☐ Overlay networks
☐ P2P networks
☐ Broadband access networks
☐ Future Internet
☐ Home networks
☐ Smart grids

Service Management

☐ Multimedia service management
☐ Data service management
☐ Hosting
☐ Data center management
☐ Grid & cloud computing
☐ Virtualized infrastructure management
☐ Infrastructure as a Service
☐ Platform as a Service
☐ Software as a Service

Functional Areas

☐ Fault management
☐ Configuration management
☐ Accounting management
☐ Performance management
☐ Security management
☐ SLA management
☐ Event management
☐ Energy management

Technologies

☐ Protocols
☐ Middleware
☐ Web Service technologies for service creation and management
☐ Mobile agents
☐ Data, information, and semantic modeling

Business Management

☐ Legal and Ethical Issues
☐ Process Management

Management Approaches

☐ Centralized management
☐ Distributed management
☐ Autonomic and self-management
☐ Policy-based management
☐ Integrated management

Methodologies for Network Operations and Management

☐ Control theory
☐ Optimization theory
☐ Economic theory
☐ Machine learning
☐ Probability, stochastic processes, and queuing theory
☐ Design and simulation
☐ Experimental approaches
☐ Visualization

TECHNICAL SESSIONS IMPORTANT DATES

☐ Paper registration & submission: 22 August 2011
☐ Notification of acceptance: 31 October 2011
☐ Final Camera Ready papers: 5 December 2011

OTHER SUBMISSIONS

☐ Application sessions: 6 September 2011
☐ Workshop proposals: 1 September 2011
☐ Tutorial proposals: 5 October 2011
☐ Panel proposals: 12 October 2011
☐ Dissertation Digest: 2 November 2011

SUBMISSION INSTRUCTIONS

Authors are invited to submit original contributions (written in English) in PDF format through the NOMS 2012 web site. Only original papers that have not been published or submitted for publication elsewhere can be submitted. Each submission will be limited to 8 pages (full papers) or 4 pages (short papers) in IEEE 2-column style. Papers exceeding these limits, multiple submissions, and self-plagiarized papers will be rejected without further review. The authors of the NOMS 2012 top papers will be encouraged to extend their work and submit to IEEE TNSM (IEEE Transactions on Network and Service Management. These extended papers will undergo the normal TNSM peer-review process. IEEE reserves the right to exclude a paper from distribution after the conference (e.g., removal from IEEE Xplore) if the paper is not presented at the conference. IEEE Policy on Nondiscrimination: http://www.ieee.org/about/corporate/governance/p9-26.html.

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