



## NOMS 2010

### 12<sup>th</sup> IEEE/IFIP Network Operations and Management Symposium

Osaka International Convention Center, Osaka, Japan

19-23 April 2010

<http://www.noms2010.org>

"Towards Management of Future Networks and Services"



## CALL FOR PAPERS

The 12<sup>th</sup> IEEE/IFIP Network Operations and Management Symposium (NOMS 2010) will be held 19-23 April 2010 at the Osaka International Convention Center, Osaka, Japan. Held in even-numbered years since 1988, NOMS 2010 will follow the 22 years tradition of NOMS and IM as the primary IEEE Communications Society's forum for technical exchange on network and service management focusing on research, development, integration, standards, service provisioning, and user communities. NOMS 2010 will present up-to-date approaches and technical solutions for novel management paradigms to deal with the new management issues in future infrastructures such as Web 2.0 or beyond service environments, cloud computing platforms, large-scale datacenters, and the Future Internet, as well targeting the conventional issues in large and complex services, systems, and networks.

NOMS 2010 will offer four types of sessions: technical, application, poster, and panel sessions. 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 the experience in IT and telecommunications industries, such as service providers, OSS vendors, and equipment manufacturers. The scope here includes customer requirements, management system implementations, and business practices. Poster sessions provide an insight into work-in-progress. Panel sessions will focus on business implications, market trends, and emerging applications with panelists who are the technology and business leaders.

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
- IP/MPLS networks
- LANs
- Optical networks
- Sensor networks
- Overlay networks
- P2P networks
- Broadband access networks
- Future Internet

#### Service Management

- Multimedia service management
- Data service management
- Hosting
- Data centers
- Grid & cloud computing
- Virtualization
- Home networking

#### Functional Areas

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

#### Management Approaches

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

#### Technologies

- Protocols
- Middleware
- Mobile agents
- Data, information, and semantic modeling

#### Methodologies for Network Operations and Management

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

### Submission Instructions

Authors are invited to submit original contributions (written in English) in PDF format through the NOMS 2010 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.

#### General Co-chairs:

Nobuo Fujii, NTT-AT, Japan  
James Hong, POSTECH, Korea

#### Important Dates (tentative deadlines) :

Paper Registration & Submission: 1 September 2009  
Notification of Acceptance: 8 November 2009  
Final Camera Ready Papers Due: 15 January 2010

For more information, please contact the one of

#### TPC Co-chairs:

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