

MESSAGE FROM THE GENERAL CO-CHAIRS



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Welcome to the 12th IEEE/IFIP Network Operations and Management Symposium (NOMS 2010)! 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 premier IEEE Communications Society's forum for technical exchange on network and service management focusing on research, development, integration, standards, deployment, and experiences in current and future networks and networked applications. 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 data centers, next generation networks and the Future Internet, as well targeting the conventional issues in large and complex services, systems, and networks.

NOMS was first held in 1988 in order to accelerate research and development, as well as to exchange ideas and experiences on network operations and management. In that era, researchers and engineers were striving to design and develop end-to-end digital networks with 64 kb/s bandwidth. Since then, advances in digital and information technologies have been enabling richer and more robust data communications. For example, QoS controlled broadband communication is now readily available. Telecommunications networks are also expanding to home and everywhere. These and other advances have led to the deployment of Next Generation Networks (NGNs) using converged technologies. Considering this diversification of networks, the role of effective operations and management has become more and more important to provide services reliably and efficiently. Research and standardization activities are now targeting the management of future networks including new generation networks, Future Internet, ubiquitous networks, home networks and so on. Services being studied and designed associated with new networking enablers, such as cloud computing and Software as a Service, will change the computational models and create new functions that will impact our society. Under the symposium theme of **“Towards Management of Future Networks and Services”**, NOMS 2010 will offer a variety of programs and sessions to suit various attendee needs. This includes: 1) **tutorials** covering the latest and hottest topics, 2) **workshops** with invited talks, technical presentations and panels on important emerging topics, such as managing smart grids and managing cloud computing and services, 3) **keynote speeches** by industry, academic and standards organization leaders that address key current and future topics, 4) **technical sessions** presenting papers on the latest research results, 5) **application sessions** describing experience in IT and telecommunications industries from important stakeholders, such as service providers, OSS vendors, and equipment manufacturers, 6) **poster sessions** providing insights into work-in-progress, 7) **panel sessions** focusing on focus on business implications, market trends, and emerging applications with panelists who are technology and business leaders, and 8) **exhibitions** showcasing the latest solutions from vendors and demonstrations of the latest services and prototypes from service providers and developers.

NOMS 2010 will also provide exciting social events, including a welcome reception, banquet, and tours for both attendees and their accompanying family members to enjoy the symposium as well as appreciate some of the many notable features that Osaka and its surroundings cities offer. In April of 2010, researchers, engineers and industry and academic leaders will gather in Osaka to exchange their state-of-the-art studies and new strategies for management of future networks, networked applications, and services. We cordially invite you to share your views on these exciting future directions. We appreciate in advance your attendance and fruitful discussion in NOMS 2010, Osaka, Japan.

Nobuo Fujii and James Won-Ki Hong
NOMS2010 General Co-Chairs