



## IFIP/IEEE IM 2015 CALL FOR PAPERS

The 14th IFIP/IEEE Symposium on Integrated Network and Service Management (IM 2015) will be held 11-15 May 2015 in Ottawa, Ontario, Canada at the Ottawa Convention Centre. Held in odd-numbered years since 1989, IM 2015 follows the 27 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. IM 2015 will focus on the theme **Integrated Management in the Age of Big Data** presenting recent, emerging approaches and technical solutions for dealing with Big Data as well as using it for management solutions. IM 2015 will offer five types of sessions: technical, experience, poster, panel and dissertation. High quality will be assured through a well qualified Technical Program Committee and stringent peer review of paper submissions. A special call for demonstrations is organized to allow industry partners and researchers to demonstrate early products and prototypes.

### 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 demonstrations, exhibits, technical panels, tutorials, workshops, and experience session papers.

#### Network Management

Software Defined Networks (SDN)  
Smart Cities, Smart Grids  
Internet of Things (IoT)  
Future Internet  
Content Distribution Networks (P2P, CDN, ICN)  
Virtual and Overlay Networks  
Data Centers, Storage Area Networks  
Cyber-Physical Systems  
Wireless and Mobile Networks (Ad-Hoc, Mesh, Sensor, Vehicular)  
Smart Devices and Home Networks  
Broadband Access Networks  
Cognitive Radio Networks  
IP/MPLS Networks  
Optical Networks  
Heterogeneous Networks

#### Service Management

Cloud Services (IaaS, PaaS, SaaS)  
IT Service Management  
Multimedia and Data Services  
Service Discovery, Migration and Orchestration  
Resource Provisioning and Management

#### QoE-Centric Management

Hosting, Virtualized Infrastructures  
OTT Service Management  
Management as a Service

#### Business Management

Legal and Ethical Issues  
Process Management

#### Functional Areas

Deployment  
Fault Management  
Diagnostics, Tracing, Troubleshooting  
Configuration Management  
Accounting and Billing Management  
Performance Management  
Service Level Management  
Security Management, IDS, IPS

#### Management Approaches

Centralized Management  
Distributed Management  
Autonomic and Self-Management  
Policy-Based Management  
Federated Management  
Pro-Active Management  
Energy-Aware Management  
Management Architectures

#### Technologies

Network Programmability  
Cloud Computing  
Network Function Virtualization (NFV) and Service Chaining  
(Big) Data, Information and Semantic Modeling  
Protocols and Languages  
Message and Software Buses  
Middleware, Grids, Mobile Agents  
Social Networking  
Human-Machine Interactions  
Operations and Business Support Systems (OSS/BSS)

#### Methods

(Big) Data Analytics and Data Mining  
Monitoring and Measurements  
Control Theories  
Optimization Theories  
Economic Theories  
Machine Learning and Genetic Algorithms  
Probabilistic, Stochastic Processes, and Queuing Theories  
Design and Simulation  
Experimental Studies  
Visualization

### IMPORTANT DATES

Paper Submission (Extended)  
**September 30th, 2014**  
Notification of Acceptance  
**November 30th, 2014**  
Camera Ready Papers  
**February 1st, 2015**

### GENERAL CO-CHAIRS

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