



**The 3rd IEEE International Workshop on Management of Emerging Networks and Services
(IEEE MENS 2011)
in conjunction with IEEE GLOBECOM 2011, 5-9 December, Houston, Texas, USA**

<http://mens2011.uni.lu/>

More recently, requirements in network management and control have been amended by emerging network and computing models, including wireless sensor networks, ad hoc networks, overlay networks, grid networks, optical networks, multimedia networks, storage networks, the convergence of next generation networks (NGN) or even nano-networks etc. Increasingly ubiquitous network environments require new management strategies, which can cope with resource constraints, multi-federated operations, scalability, dependability, context awareness, security, mobility and probability etc. To bring complex network systems under control, it is necessary for the IT industry to move to autonomic management, autonomic features in both the data and control planes of the network, context-aware management and self-management systems in which technology itself is used to manage technology. New theoretical approaches are needed in resolving the challenging problems in network management including network architectural reference models that incorporate autonomic and self-management principles. This workshop will provide a forum to researchers to propose theories and technologies on the management of emerging networks and services, share their experience of IT and telecommunications industries and discuss future management solutions for emerging networks and services.

TOPICS

Authors are invited to submit papers in theories and techniques for the management of emerging networks or related areas. Topics of the workshop include but are not limited to:

- Management of Emerging Networks and Services
- Management of Next-Generation Networks
- Management of Ad-hoc/Mesh Networks
- Management of 3G/4G Networks
- Management of Sensor Networks
- Resource Management of Wireless Networks
- Management of Overlay Networks
- Management of VPN
- Management of P2P Networks
- Management of Grid Architecture
- Management of Multimedia Networks
- Management of Satellite Networks
- Management of Optical Networks
- Management of Cognitive Networks
- Management of Future Internet
- Management of Cyber-physical Systems
- Architectural Reference Models for the Self-Managing Future Internet
- Network and Protocols Evolutions towards the Self-Managing Future Internet
- Evolving IPv6 Protocols towards IPv6++ for advanced Self-Managing Network Features
- Policy-based Network Management

- Bio-inspired Network Management
- AI Approaches for Network Management
- Control Theory for Network Management
- New Theory for Network Management
- Autonomic Management and Communication
- Self-management (Self-*) and Initiatives towards Standardization
- Context-aware Management
- Converged Networks and Services
- Application Reports in IT and Network Industries
- QoS & Performance Management in Emerging networks
- Security Management of Emerging Networks and Services
- Mobility management
- Managing energy consumption in resource constrained networks
- Metrics, Techniques, and Experiments for Evaluating Network Management Architectures
- Experimental Platforms that Support Network Management Research

SUBMISSION

IEEE MENS 2011 only accept original, previously unpublished papers. Concurrent submission to GLOBECOM and other conferences or journals is not allowed. Prospective authors are encouraged to submit papers in IEEE style up to 5 pages, but one additional page is allowed with additional publication fee. You may use the standard IEEE Transactions templates for Microsoft Word or LaTeX formats found at <http://www.ieee.org/web/publications/authors/transjnl/index.html>. Only PDF files are accepted for paper review and must be submitted through EDAS (<http://edas.info/N10867>).

An accepted paper must be registered before the registration deadline. An accepted paper should be presented at the workshop. Failure to register before the deadline will result in automatic withdrawal of the paper from the workshop proceedings and the program. All accepted and presented papers will be included in the IEEE GLOBECOM proceedings and IEEE digital library. GLOBECOM has the right to remove an accepted and registered but not presented paper from the IEEE digital library.

IMPORTANT DATES

Submission due: July 19, 2011

Accept notification: August 15, 2011

Camera Ready: August 31, 2011

GENERAL CHAIRS

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