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**10th IFIP/IEEE International Symposium on Integrated Network
Management, 21-25 May, 2007, Munich, Germany**

**"Integrated Management:
Moving From Bits to Business Value"**

<http://www.im2007.org>

CALL FOR PAPERS

Integrated management of networked systems is facing new challenges, stemming from a combination of rapidly evolving technologies and an increased scrutiny from corporate customers. At the same time, as IT and network services become more and more ubiquitous, their reliability and performance becomes more critical for all kinds of enterprises. The resulting demands for improving and verifying service quality must be met in an environment of increasingly distributed and decentralized service provisioning, accelerated service lifecycles, and unprecedented security challenges. Today's IT management issues involve many diverse problems in controlling heterogeneous IT infrastructures, often across organizational boundaries. However, new and difficult challenges are emerging while aligning technical and organizational IT management to business requirements, thus calling for integrating management tools and measures "from bits to business value".

The Tenth IFIP/IEEE International Symposium on Integrated Network Management (IM 2007) will be held 21-25 May 2007 in Munich, Germany. IM 2007 will present the latest technical advances in the area of management, operations and control of networks, networking services, networked applications, and distributed systems. Held in odd-numbered years since 1989 and taking turns with its sibling conference NOMS, IM 2007 will build on the successes of its predecessors and serve as the primary forum for exchange among the research, standards, vendor and user communities in the field of integrated management. The symposium is sponsored by the International Federation for Information Processing (IFIP) Working Group 6.6 on Management of Networks and Distributed Systems, and by the IEEE Communications Society Technical Committee on Network Operations and Management.

IM 2007 will be organized into technical and application sessions, panels, and tutorials. In addition, it will feature an industrial experience track to share practical lessons learned by the user and vendor communities, posters, birds-of-a-feather sessions, and vendor exhibits. In the tradition of previous events, we strive to make the IM 2007 Symposium the highest quality professional event of the year. Paper submissions will undergo a stringent review process implemented by the Technical Program Committee, which includes many of the most respected experts in the field. We encourage papers that break new ground or present insightful results based on experience with integrated management of networks, systems, applications and services.

Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal, as well as proposals for tutorials, panel discussions, poster demonstrations, or birds-of-a-feather sessions. Topics of interest to IM 2007 include, but are not limited to, the following:

Management Paradigms, Theories and Models

- AI techniques for management: knowledge-based, intelligent agents, machine learning, neural networks
- Decentralized and Distributed Management
- Policy and Role Based Management
- Resilience, dependability and survivability
- Theory (control, optimization, economic) for management
- Biologically inspired management systems and techniques
- Pro-active Management architectures
- evaluation and benchmarking of management systems and technologies

Management and Virtual Environments

- Managing virtual resources and services
- Virtualization of Operations Centers, Help Desks
- Information Modeling in Virtual Environments
- Management of Grids, P2P environments, federations

Management Standards and Enabling Technologies

- Integration and Middleware technologies for Management
- Information models for Management (CIM, SID)
- Service-Oriented Architectures and Management
- Data mining and statistical methods in management
- Next generation operation support systems

Operation and Management Functions

- Security management, Federated Identity Management
- Mobility management
- Network, Systems and Service Monitoring
- Event Correlation, Fault, Performance Management
- Accounting Management and Service Level Reporting

Service Engineering and Operational Challenges

- Service design and quality assurance
- Resource and Operational Requirements
- Service discovery and service negotiation
- Quality-of-Service management

Management of Emerging Networks and Services

- Ad hoc networks
- Overlay networks, virtual topologies and VPN services
- Integrating Wireless Networks (2.5G, 3G, WLAN)
- Optical networks (WDM, DWDM, optical IP)

Organizational Aspects of IT Service Management

- Process Engineering and Process Frameworks (ITIL, ...)
- Quality Management for IT Service Provisioning
- Workflow Management for IT Service Provisioning
- Risk Management and IT Governance Issues
- Business alignment of IT service management

Autonomic Computing and Self-Management

- Self-managed networks, systems and services
- Self-organization in P2P applications
- Self-organized ad hoc and sensor networks
- Self-adaptive applications
- Self-repairing distributed systems
- Self-configured networks
- Self-organized service deployment
- Self-adaptive e-business services
- Decision making in self-* systems

TECHNICAL PROGRAM – IMPORTANT DATES

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INFORMATION:

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