



**The Second International Workshop on  
Distributed Autonomous Network Management Systems**  
26 November 2007  
Washington, DC, USA  
<http://www.danms.org>

**In conjunction with the 50th IEEE  
Global Telecommunications Conference**  
<http://www.comsoc.org/confs/globecom/2007/>

The current age of pervasive communication, worldwide networked systems, and converged networks brings the areas of fault tolerance, fault management and quality guarantees to the forefront of today's research topics. Of special importance are cross-domain techniques, distributed fault management architectures, and autonomic protocols for improving the reliability, dependability, and manageability of network-centric systems.

The IEEE DANMS 2007 workshop provides an opportunity to bring together a broad range of researchers from network management, distributed systems, dependable systems, and autonomic computing, to exchange ideas and promote discussion on research topics in these areas. The workshop will be comprised of technical presentations, a panel session with representatives from industry and academia, and will provide ample opportunities for free discussions on the ideas presented.

Novel papers are invited from both academic and industrial environments, describing original research, new theoretical and practical results, innovative techniques, and in-depth user studies on topics such as:

- Dependability issues in designing and managing communicating networks
- Self-healing, self-repairing and self-stabilizing systems
- Architectures that enable efficient monitoring and fault detection
- Fault modeling, isolation, correlation and prediction
- Fault detection and recovery
- Stability and coherent behavior guarantees in the presence of faults and inconsistency
- Adaptation of classic fault diagnosis for network management
- Impact of fault occurrence on degraded services, SLAs and QoS
- Automatic / policy-based systems for recovery and isolation of faults
- Policy models for QoS adaptation
- Models that expose the relationship between fault management and performance management
- Distributed fault detection, monitoring and fault management
- Redundancy and diversity management
- Fault propagation and injection
- Verification and validation protocols
- Experience reports from real, deployed fault-management systems

Due to the inter-disciplinary nature of this workshop, we are open to papers that cover any aspect of fault tolerance, reliability, and dependability in mobile, distributed and real-time systems, such as: network configuration, operation, and management, performance enhancement, real-time response of wireless, ubiquitous, optical communication networks, radio access and transport networks, service reliability.

The papers will be selected based on their originality, relevance, clarity, technical merit, correctness, and the likelihood that their presentations will lead to insightful technical discussions at the workshop.

**Important dates:**

Paper submission:	July 25, 2007
Notification of acceptance:	September 1, 2007
Camera-ready paper:	September 15, 2007