

Call for Papers (DSOM 2005)

16th IFIP/IEEE Distributed Systems: Operations and Management

>> Management of Ambient Networks <<

October 24-26, 2005, Barcelona, Catalunya, Spain

<http://www.dsom2005.org/>

The sixteenth IFIP/IEEE International Workshop on Distributed Systems: Operations and Management (DSOM 2005) will be held October 24-26, 2005 in Barcelona, Spain. The workshop is sponsored by the International Federation for Information Processing (IFIP) Working Group 6.6 on Management of Networks and Distributed Systems with technical co-sponsorship by the IEEE Communications Society, Technical Committee on Network Operations and Management (CNOM). The Workshop's location is the Campus Nord of Universitat Politècnica de Catalunya (UPC) in Barcelona. UPC is in a residential area in the north of the city, at walking distance of hotels and commercial areas and well accessible by public transportation from downtown.

This is the first time that DSOM will be co-located with four other events in order to strengthen the links between our respective communities. These co-located conferences are the 8th International Conference on Management of Multimedia Networks and Services (MMNS 2005), the 7th Symposium on Self-Stabilizing Systems (SSS 2005), the 5th Workshop on IP Operations and Management (IPOM 2005), and the International Workshop on Autonomic Grid Networking and Management (AGNM 2005).

SCOPE OF THE DSOM WORKSHOP

Ambient Networks are a new vision to provide accessibility and distributed services through the dynamic composition of networks. The wide adoption of packet switched networking technologies and the fast growing wireless networking infrastructures in public as well as in private spaces allow systems to choose how to obtain connectivity. Systems may also dynamically form new networks and the devices or the whole network may be mobile. Furthermore, many ambient networks will be in private spaces, owned and "operated" by non technical users (home networks). The heterogeneity of the services and resources participating in ambient networks and the dynamics associated with the composition of networks poses new management challenges.

Ambient networks and services cannot be managed in the classic way. Instead, management

of ambient networks must become an invisible and integrated part of a highly automated and adaptive control plane. Autonomic and self-management approaches therefore are of key importance. Important and challenging questions related to security, privacy, trust, and isolation in ambient networks need to be answered. In addition, questions related to the interface between managed and self-managed networks need to be addressed. Papers addressing these research questions are especially welcome.

Topics of interest include but are not limited to:

- Self-management and self-configuration
- Management of Home Networks
- Autonomic Management of Networks and Services
- Inter-domain Management
- Context-driven Management
- Adaptive Management Services and Applications
- Control Theoretic Management Approaches
- Distributed and Decentralized Management
- Security, Privacy, Trust, and Isolation
- Composable Management Systems
- Performance and QoS Management
- Fault Management and Fault Tolerance
- Policy-based Management and Service Level Agreements
- Monitoring, Event, and Fault Handling
- Configuration, Accounting, Billing
- Management Architectures and Information Models
- Standardized Frameworks, Models, and Programming Interfaces
- Implementation, Instrumentation, and Experience

PAPER SUBMISSION

Paper submissions must present original, unpublished research or experiences. Late-breaking advances and work-in-progress reports from ongoing research are also encouraged to be submitted to DSOM 2005. Papers under review elsewhere MUST NOT be submitted to DSOM 2005. Authors are requested to submit either long papers or short papers (work-in-progress reports):

- Long papers (up to 12 single-spaced single-column pages)
- Short papers describing work-in-progress (up to 4 pages)

Submissions exceeding the above mentioned paper size will not be reviewed and returned to the authors. Papers must be submitted online in PDF format via the "Paper Submission" link that can be found on the the DSOM 2005 web page.

PROCEEDINGS

The DSOM 2005 proceedings will be published in Springer-Verlag's Lecture Notes in Computer Science (LNCS) series. For that reason we recommend that the PDF file of each paper be generated using LaTeX and the LNCS style available from Springer-Verlag. For more information regarding manuscript format please visit the author's instruction links at LNCS:

<http://www.springer.de/comp/lncs/>

IMPORTANT DEADLINES

Submission:	May	8th	2005
Submission:	May	22nd	2005
Notification:	July	18th	2005
Camera ready:	August	8th	2005

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