

2nd IEEE Workshop on Modelling Autonomic Communications Environments (MACE 2007)

Held as part of Manweek 2007 – <http://www.manweek.org>

San José, California, USA

October 29th – 30th, 2007

Programme Committee Chairs

Brendan Jennings, *Waterford Institute of Technology, Ireland*

Joan Serrat, *Universitat Politècnica de Catalunya, Spain*

John Strassner, *Motorola Labs, USA*

Programme Committee

Nazim Agoulmine, *Université d'Evry, France*

Raouf Boutaba, *University of Waterloo, Canada*

Mark Burgess, *University College Oslo, Norway*

Monique Calisti, *Whitestein Technologies, Switzerland*

Greg Cox, *Motorola Labs, USA*

Spyros Denazis, *Hitachi Europe, France*

Joel Fleck, *Hewlett Packard, USA*

Tao Gu, *Institute for Infocomm Research, Singapore*

Salim Harari, *University of Arizona, USA*

Dave Lewis, *Trinity College Dublin, Ireland*

Conor McArdle, *Dublin City University, Ireland*

Tadashi Nakano, *University of California, Irvine, USA*

José Neuman de Souza, *Federal University of Caera, Brazil*

Giorgio Nunzi, *NEC Europe, Germany*

Declan O'Sullivan, *Trinity College Dublin, Ireland*

Manish Parashar, *Rutgers University, USA*

Omer Rana, *University of Cardiff, United Kingdom*

Mikhail Smirnov, *Fraunhofer FOKUS, Germany*

Radu State, *INRIA-LORIA, France*

Roy Sterritt, *University of Ulster, United Kingdom*

Tatsuya Suda, *University of California, Irvine, USA*

P. N. Suganthan, *Nanyang Technological University, Singapore*

Sven van der Meer, *Waterford Institute of Technology, Ireland*

James Won-Ki Hong, *POSTECH, Korea*

Mazin Yousif, *Intel, USA*

CALL FOR PAPERS

The 2nd IEEE International Workshop on Modelling Autonomic Communications Environments (MACE 2007) will be held from October 29th to 30th, 2007 in San José, California, USA. The workshop will be technically sponsored (confirmation pending) by the IEEE Communications Society Technical Committee on Network Operations and Management (CNOM).

As part of Manweek 2007 MACE will be co-located with four other events : the 10th IFIP/IEEE International Conference on Management of Multimedia and Mobile Networks and Services (MMNS 2007); the 7th IEEE Workshop on IP Operations and Management (IPOM 2007); the 18th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management (DSOM 2007); and the 1st IEEE/IFIP International Workshop on Virtualization Grid Networking and Management (EVGM 2007).

The MACE workshop aims to promote the realisation of Autonomic Communications Environments (ACEs) – service-centric environments exhibiting self-governing behaviour. Within an ACE, services will be created that are self-aware and self-healing. In their deployment, they will be self-adapting, self-optimising and self-configuring; and in operation they will be self-protecting, self-managing and self-composing. These features will enable ACE services to adapt to changing business needs and environmental conditions without manual intervention. Realisation of this vision represents a significant challenge for the networking and computer science research communities, requiring advances in disparate areas ranging, for example, from software modeling to network security, and from machine learning to performance optimisation. MACE 2007 will bring together researchers from academia and industry in a workshop setting in which research challenges can be identified, ideas for potential solutions exchanged, and research results discussed.

Topics of interest for paper submission include, but are not limited to:

- Advances in Modelling and Meta-Modelling;
- Governance Models (incl. Policy-based Management);
- Methodologies (incl. Lifecycle, Behaviour, Design by Contract);
- Mathematical Models of Autonomic Systems and ACEs;
- Biology-inspired Techniques and Algorithms;
- Sociology-inspired Techniques and Algorithms;
- Model and Language Driven Development (incl. UML and code generation techniques);
- Intelligent Service Negotiation, Composition, and Security;
- Tool, Simulation and Test-bed support for Autonomic Systems and ACEs;
- Testing and Validation Processes;
- Managing and Handling Context: Sensing, Inferring, and Application;
- Autonomic Wireless Access and Seamless Mobility;
- Machine Learning, Reasoning, and Inference Techniques;
- Algorithms and Processes for Network Robustness and Performance;
- Evolving industry standards to facilitate ACEs.

PAPER SUBMISSION

Paper submissions must present original, unpublished research or experiences. Submission of late-breaking results and work-in-progress reports from ongoing research is encouraged. Papers that are published, or concurrently submitted to another journal, conference, or book should not be submitted. The Proceedings will be published in the Multicon Lecture Notes series. Papers should be formatted according to the LNCS guidelines available at <http://www.springer.de/comp/lncs>, and should not exceed 15 pages in length. Papers must be submitted in PDF format via <http://jems.sbc.org.br/mace2007>.

IMPORTANT DATES

Submission: ~~May 13th, 2007~~ **June 3rd, 2007**
Notification: July 6th, 2007
Camera ready: August 2nd, 2007
Workshop: October 29th – 30th, 2007