

Open NGN and IMS Testbeds Workshop 2009 ONIT 2009

A Workshop @ TRIDENTCOM 2009, April 6, 2009, Washington D.C., USA

<http://www.onit-ws.org>

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CALL FOR PAPERS

Telecommunications research has changed in recent years due to network convergence in Next Generation Networks (NGN) and the influence of internet technologies. Time to market and innovation speed of network technologies have increased and are heavily influenced by the focus on services and service delivery platforms. Additionally, the change of the value chain towards applications and content is driven by emerging internet technology. The increasing competition in international research and development requires an early evaluation of ideas, concepts and principles in terms of prototyping and testing. In contrast to closed vendor testbeds, open IP Multimedia Subsystem (IMS) and NGN testbeds can efficiently realize prototype scenarios and professional test setups with reasonable effort, time and cost. They are seen as catalysts for development in industry and academia as well as for their important role in ensuring solid open standards interfaces between components. The IMS plays a central role as common service signalling middleware in face of multiple access networks and their convergence. In this context, we can witness an increasing number of testbeds promoting an open IMS infrastructure to implement new seamless multimedia applications.

The Open NGN and IMS Testbeds Workshop 2009 (ONIT 2009) will give insight into the state of the art concerning open NGN and IMS testbeds at an international scale. The objective is to evaluate the quality and impact of such testbeds in order to improve current offerings and position them for future challenges. Especially, the role of open source software such as open source IMS implementations for testbeds shall be discussed in depth and how such infrastructures can be provided as outsourced services in line with Service Oriented Architecture (SOA) and Infrastructure as a Service (IaaS) concepts.

Areas of interest for scientific papers include but are not limited to:

- Open Source software as a driver for cost efficient testbeds
- Open Source IMS Core development
- Application development based on open testbeds
- Experimental results using reference Open Source IMS components
- Tools and tests for open NGN and IMS testbeds
- Advances in NGN, IMS and SOA testbeds
- Virtualization for testbeds
- IaaS concepts for testbeds and testing outsourcing
- SOA principles applied to testbeds
- Testbed management
- Testbed federation (for IMS/NGN but also network testbeds)
- Operational aspects
- Deployment and governance issues in testbeds
- Resource description and data models for testbeds
- Semantic description techniques and ontologies in the testbed domain
- Experiences and advantages of vendor-specific and closed testbeds environments

Important Dates:

Papers due (to be received by):	December 1, 2008	December 15, 2008
Notification of acceptance:	January 15, 2009	January 20, 2009
Submission of camera-ready papers:	February 15, 2009	February 20, 2009

All accepted and presented papers will be included in the TRIDENTCOM 2009 Conference Proceedings, which will be published as CDROMs and will be made available in IEEEExplore Digital Library, and then indexed by Engineering Information (EI). Selected outstanding papers will be considered for publication in a special issue of ACM/Springer Mobile Networks and Applications Journal (MONET) and in a special issue of the Inderscience International Journal of Communication Networks and Distributed Systems (IJCNDS).

<http://www.tridentcom.org/publication.htm>

Paper Submission Guidelines:

All papers will be reviewed by our international program committee. Papers should be formatted according to the workshop submission guidelines.

<http://www.onit-ws.org>

