

# TridentCom 2009

The 5th International Conference on Testbeds and Research Infrastructures for the  
Development of Networks & Communities

April 6~8, 2009, Washington D.C., USA

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## Call for Papers

TridentCom 2009 represents a landmark in the history of international testbed conferences. With the rapid convergence of networks and applications, changes in related industries, more complex value chains and increased competition, early prototyping and experimentation will become a key means for driving innovation and development of market oriented solutions. In this context, value generation has shifted from network technologies towards applications and content. Thus, the nature and scope of testbeds have changed substantially in recent years from solely network technologies towards complex service delivery infrastructures riding on various networks. In contrast to traditional vendor, operator and technology specific "closed" testbeds, the notion of "open" testbeds has emerged. "Open" in this context means both wide access as a shared resource and extensibility to include on-demand new end systems, network technologies, protocol stacks, and, most importantly, new middleware and service delivery platforms for specific test purposes. To meet this need, major research and development programs have started around the globe, including GENI in the U.S. and FIRE in Europe, to establish large scale experimental facilities. TridentCom 2009 will provide a forum to explore existing and planned testbed concepts, infrastructures, and tools to address the research and business challenges in a world of global convergence.

Prospective authors from academia, industry and government are invited to submit high quality papers in two categories, Full Papers and Testbed Practices Papers, as well as demonstration proposals reporting on all aspects of testbed and research infrastructure operation and management, including, but not limited to:

- Next Generation Internet and Clean Slate Protocol Stack Testbeds
- GRID Testbeds and P2P Testbeds
- Autonomic Communications and Self-managing Network Testbeds
- Next Generation Wireless Network Testbeds
- Next Generation Optical Network Testbeds
- Ubiquitous Network and Seamless Services Testbeds
- End System and Sensor Testbeds
- Smart Home and Converged Communication and Media Services Testbeds
- SOA/Web 2.0 Services Testbeds
- Next Generation Services Testbeds
- Service Creation and Provisioning Testbeds
- Next Generation Networks, IMS, and Quad Play Testbeds
- Configurable Hardware/Software Platforms for Testbeds
- Testbed Tools for Interoperability, Benchmarking and Traffic Measurements
- Innovative Measurements Methodologies and Tools for Networks and Services
- Industrial informatics
- Wireless industrial communications
- Networked industrial automation

The conference proceedings will be published as CDROM. It will be included in the IEEE Xplore digital library and then indexed by Engineering Information (EI). Selected papers will be considered for publication in ACM/Springer Mobile Networks and Applications Journal (MONET) and a special for International Journal of Communication Networks and Distributed Systems (IJCNDS). Authors are invited to submit Full Papers of up to 10 pages and Testbed Practices Papers of up to 6 pages, including references, figures and tables, formatted according to the IEEE conference format. Proposals for workshops, panels and tutorials are also welcome. Detailed submission and format instructions are available on the website:

<http://www.tridentcom.org>

## Important Dates

**Papers due:-**

**Papers due (extended, firm deadline)**

**Demo proposals due:**

**Notification of acceptance:**

**Submission of camera-ready papers:**

**October 1, 2008**

**October 15, 2008**

**November 1, 2008**

**December 15, 2008**

**January 15, 2009**