



2nd International IEEE/Create-Net Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities

Barcelona, Spain, March 1-3, 2006 <http://www.tridentcom.org>

Sponsored by the [IEEE ComSoc](#), [IEEE](#), [Create-Net](#) and the International Communication Sciences and Technology Association ([ICST](#))

Call for Papers

Organizing Committee

General Chairs:

Sai Shankar, *Qualcomm, USA*
Csaba A. Szabo, *BUTE, Hungary*
Albert Sitja, *CTTC, Spain*

Vice General Chair

Gabriel Junyent, *UPC, Spain*

Steering Committee Chair

Imrich Chlamtac, *University of Trento, Create-Net*

Technical Program Chairs

Javier Aracil, *Univ. Autónoma de Madrid, Spain*
Jaudelice C. de Oliveira, *Drexel Univ., USA*
Algirdas Pakstas, *London Metropolitan University, UK*

Demo Chairs

Thomas Woo, *Lucent Bell-Labs, USA*
Saverio Niccolini, *NEC, Germany*

Publicity Chairs

Karsten Knuettel, *FHI FOKUS, Germany*
Eylem Ekici, *Ohio State Univ., USA*

Conference Administrator

Orsolya Virag, *ICST*

Registration Chair

Dawn Akin, *ICST*

Local Arrangement Chair

Patricia Gallart, *CTTC, Spain*

Finance Chair

Karen Decker, *ICST*
Bruce Worthman, *IEEE ComSoc*

Web Chair

Jordi Cebrià, *CTTC, Spain*

Telecommunication infrastructures play a vital role in modern society. The advancements in the range of network service offerings, their performance, quality of service, security, and ubiquity are relentless, despite global economy fluctuations. The demand for high bandwidth network infrastructures is continuously growing within both academic and industrial sectors.

Grid computing is one of the many examples of the **new emerging paradigm of networking** characterized by huge data traffic flows, that require an extremely high-performance network infrastructure. Other high bandwidth network examples include community access networks, on demand optical networks and the **Next Generation Internet**. To meet these challenges, experimental activities on infrastructures, such as testing, verification, deployment, are pivotal for academic researchers, developers, service managers and providers, as well as for end users. The management of research infrastructures is increasingly dependent on a business model that optimizes their operational price/performance ratio.

Research on all aspects of testbed and research infrastructure operation and management will find in Tridentcom its primary forum for focused discussion.

High quality papers reporting on original research and on experimental results addressing the above areas are solicited for submission.

The main topics of the conference are:

- Next Generation Internet Testbeds
- Next Generation Wireless / Optical Network Testbeds
- Ubiquitous Network / Sensor Testbeds
- Testbed Operation & Management for User / Research Communities / Testbed Cooperation & Integration
- Innovative Measurements Methodologies / Tools / Testbeds
- Software Tools to Support Distributed Testbeds / Virtual Laboratories
- Management of Massive Databases of Experimental Data
- Knowledge & Technology Transfer Procedures
- Security (AAA) Testing on Open Testbeds
- Business Models for Infrastructure Budgeting / Planning / Renting & Pricing Policies
- Operators / Vendors & Providers Partnerships

Important Dates:

Full papers due:

October 15, 2005

Notification of acceptance:

November 30, 2005

Camera-ready manuscript due:

December 31, 2005

Early registration deadline:

January 30, 2006

Conference date:

March 1-3, 2006

A **Best Testbed Award** will be assigned to the research infrastructure that will best implement the open infrastructure model, so that to offer the greatest valuable service to the public, and the most sustainable business model to the infrastructure managers.

Visit: <http://www.tridentcom.org>