

# FITCE 2011

Palermo, Italy

August 31st–September 3rd 2011

ICT: BRIDGING AN EVER SHIFTING DIGITAL DIVIDE



IEEE



50<sup>TH</sup> FITCE  
INTERNATIONAL  
CONGRESS

Organized by



Associazione per la Tecnologia  
dell'Informazione e delle Comunicazioni



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## CALL FOR PAPERS

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### Conference website

<http://www.fitce2011.org>

### EDAS link

<http://edas.info/newPaper.php?c=10423>

## IMPORTANT DATES

- ▶ Submission of Extended abstracts: **March 31, 2011**
- ▶ Submission of tutorials: **March 31, 2011**
- ▶ Notification of acceptance: **May 31, 2011**
- ▶ Submission of camera-ready papers: **June 30, 2011**

The 50<sup>th</sup> FITCE (Federation of Telecommunications Engineers of the European Community) Congress aims at providing an international forum to discuss hot topics in Telecommunications, and related areas. The Conference will be held in Palermo, Italy on August 31st–September 3rd, 2011. The capital city in the Mediterranean island of Sicily, Palermo is full of history rooting back to the Phoenician and ancient Greek and Roman civilizations. Today it is a fascinating city full of Arabic and Norman remains, and baroque buildings.

The theme of FITCE 2011 is *ICT BRIDGING AN EVER SHIFTING DIGITAL DIVIDE*: therefore the goal of overcoming the Digital Divide will be the "fil rouge" of the Conference, attempting to identify technology, system, architecture, application, and service solutions to promote the economical recovery and address social issues through ICT, both for developed and developing Countries. We encourage submission of technical papers especially on topics related to this theme, but the Conference will cover all subject areas of interest both to the FITCE international community and to IEEE Communications Society members.

Papers will be peer-reviewed by the international TPC according to IEEE ComSoc standard procedures. Accepted papers will be presented at the conference in oral or poster sessions, published in the proceedings and indexed in the IEEE Xplore digital library. The best paper will be selected for award.

## AREAS OF INTEREST

Areas of interest include but are not limited to the following topics:

### ▶ Access infrastructures and networks

Wireline communications  
Optical networks  
Next-generation access networks  
PON, WDMA and OCDMA architectures  
P2P networks  
Home and in-building networks  
NGAN economics and business models  
Optical networking and high-speed networking  
Operators' experience in broadband deployment

### ▶ Communication Systems & Signal Processing

Communication theory  
Source coding, channel coding  
Signal and image processing  
Speech and multimedia signal processing  
Transmission, access and optical systems  
Power-line communications  
Smart grid communications  
Radio communications  
Wireless communications  
Cross-layer design  
Satellite communications  
Communication electronics and circuits

### ▶ Multimedia Applications and Services

Service creation, discovery, delivery, management  
Multimedia communications  
Energy-efficient protocols and networks  
Wearable and implantable sensors for healthcare  
Data fusion and context elaboration  
Privacy and security issues in e-health systems  
Artificial intelligence and expert systems  
Usability and acceptability of e-health systems  
Applications and services for healthcare  
Home monitoring & e-health ambient-assisted applications  
Wireless Body Area Networks  
System architectures and protocols for e-health systems

### ▶ Internet and Next-Generation Networks

Switching, routing, multicasting  
Internet services and applications  
Advances in Internet protocols  
Distributed and mobile middleware  
Web services and Service Oriented Architectures  
Cloud computing  
Future Internet  
Overlay and peer-to-peer networks  
NGN network infrastructures and management  
Network reliability  
Quality of Service management techniques  
Security management, trust and privacy  
Traffic engineering and traffic theory  
Network operations and management  
Charging, pricing and business models  
Trials and demonstrations  
Regulation and standardization

### ▶ Wireless and Mobile Networks

Ad Hoc, sensor and mesh networks  
MIMO and diversity techniques  
Cognitive and opportunistic wireless networks  
Cooperative wireless networks  
Wireless apps in swarm systems and relevant services  
Spectrum optimization and DSA  
Wireless services and applications  
Radio network and terminal self-configuration  
LTE and 4G networks & techniques  
Radio-over-fiber techniques, Femtocells  
Wireless network protocols, design and performance  
Spectrum coexistence and future frequency bands  
Wireless and mobile systems trials  
Regulation and standardization

### ▶ QoS, Reliability and Performance Modeling

Communications systems integration and modeling  
Quality and performance evaluation  
Reliability of systems and networks  
Standardization aspects of QoS and reliability.

## PAPER SUBMISSIONS

We solicit submission of high-quality papers (in **English**) reporting original research results, and field experiences related to new network deployment and innovative services on above topics. The review process will be based on Extended abstracts (**typ. 1200 words**, plus figures as needed). They must be submitted in PDF at the EDAS page exclusively. Accepted camera-ready papers will be in PDF and formatted in the standard IEEE double-column conference template. It will be found at the conference website. **Maximum 6 pages** are allowed for each paper, including all figures and references.

## CALL FOR TUTORIAL PROPOSALS

Proposals are invited for tutorials on topics of interest of the conference. Proposals must be submitted to the Tutorials Chair and include title, abstract, full contact information, introduction to the subject, length, past history, biography of the lecturer, and detailed outline.