



AFRICOMM

3<sup>rd</sup>

# AFRICOMM '11

## International ICST Conference on e-Infrastructure and e-Services for Developing Countries

23 ~ 24 November, 2011 – Zanzibar Islands, Tanzania

<http://www.africomconference.org>



### AFRICOMM 2011 - Call for Papers

#### Motivation

Information and Communication Technologies (ICTs) have proved to offer immense potential to development. However, designing, developing, and deploying infrastructures and solutions that are affordable and efficient when only limited resources are available is a very challenging task. This presents a setback for developing countries against reaping the benefits that ICTs offers. AFRICOMM 2011 aims to bring together researchers, practitioners, and policy makers in ICT to discuss issues and trends, recent research, innovation advances and on-the-field experiences related to e-Infrastructure, e-Governance, e-Business, and enabling policy and regulations with a deep focus on developing countries.

AFRICOMM invites submission of unpublished and quality research papers with novel contributions. All submitted contributions will undergo a double-blind peer review. Accepted papers will be presented at the conference and published by Springer's LNICST series. AFRICOMM 2011, the third conference of the series, is organized in two research tracks, namely a track in communication infrastructure and a track on e-services, policy and regulatory issues. In addition, AFRICOMM 2011 is calling for workshop proposals on more specific topics of relevance to developing countries. The workshops will take place in conjunction with the conference.

#### TRACK 1: Communication Infrastructures in Developing Countries

This track is dedicated to communication and network technologies that are of specific relevance to developing countries. The track provides a platform where key R&D findings and new directions in this field, challenges and obstacles, business models, and success stories will be discussed and reviewed. This track is calling for research papers on topics that include, but are not limited to:

- Design and analysis of protocols and architectures for developing countries
- Existing and emerging wireless broadband access technologies, such as WiMAX, LTE, etc.
- Innovations in femtocells, picocells and relay network technologies
- Cognitive radio and advanced spectrum management methods
- Self-managed deployment, operation, and maintenance of IT infrastructures
- Affordable mobile technologies
- Energy-aware ICT infrastructure, e.g., energy aware systems and networking
- ICT infrastructures based on alternative energies
- Network and IT security issues in developing countries
- Overlay networks (such as p2p, bitTorrent, etc) in developing countries
- ICT infrastructures for critical environmental conditions
- Testbeds and reference implementation for exploring and validating infrastructure requirements and usage
- Critical information infrastructure protection (CIIP)
- Geographic Information systems and applications

#### TRACK 2: Electronic Service, ICT Policy, and Regulatory Issues for Developing Countries

This track provides an opportunity to share and compare experiences, perspectives, issues, and opportunities related to the use of web-based and mobile services to foster development. The track also provides a venue to disseminate findings, experiences, and recommendations on how policy and regulatory issues impact on development. This track is calling for research papers on topics that include, but are not limited to:

- Experiences and applications in areas such as: e-health, e-learning, e-agriculture, e-government, and e-participation
- ICT for development
- Mobile-based services and applications
- Mobile computing for next generation phones
- Emergency and disaster management
- Open source and open source models for e-services
- Participatory design and living labs
- E-services for environmental sustainability
- Change management, interoperability, and standards
- ICT policy and regulations

#### Submissions

The page limit for research papers is ten pages (Track 1 or 2) and two-pages for posters and demos. All contributions should be formatted according to the [LNICST Conference Publishing Services formatting instructions](#), including figures and references. Workshop proposals should constitute of not more than two pages detailing the objectives of the workshop and its relevance to developing countries, and names and contacts of the workshop organizing chairs. All submissions must be in English.

Please visit the conference website for detailed submission instructions: <http://www.africomconference.org>. One author of each accepted contribution will be required to register and present the work at the conference.

#### Honorable Chair

Radu Popescu -Zeletin,  
Fraunhofer FOKUS, Germany

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#### ICST/EAI Conference Coordinator

Hugo Estrella,  
European Alliance for Innovation (EAI)

#### Webmaster

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Fraunhofer FOKUS, Germany

#### IMPORTANT DATES

Workshop proposal deadline: April 30, 2011  
Paper submission deadline: July 3, 2011  
Notification deadline: August 28, 2011  
Camera-ready: September 25, 2011  
Posters/demos: August 28, 2011  
Conference: November 23-24, 2011