



**COLLEGE OF ENGINEERING  
DESIGN, ART AND  
TECHNOLOGY**

<http://tech.mak.ac.ug/ncc>

## CALL FOR PAPERS

# FIRST NATIONAL CONFERENCE ON COMMUNICATIONS (NCC 2011)

UGANDA

September 5 - 6, 2011.



**UGANDA  
COMMUNICATIONS  
COMMISSION**

### Theme: “Advancing Locally Relevant Solutions in Communications”

The 1st National Conference on Communications (NCC) will provide students, researchers, developers, and practitioners with a platform to address new research challenges, share solutions and discuss issues relevant to the communications sector of developing countries such as Uganda. The NCC will also host keynote and invited speakers to share their views on the communications industry.

#### Organised By

Department of Electrical and Computer Engineering, CEDAT, Makerere University  
Uganda Communications Commission

Conference topics include, but are not limited, to the following categories.

#### Communications Systems

- Fiber optic communication systems
- Cognitive radio
- Interference characterization
- Cooperative and adhoc communications
- Modulation, coding and diversity
- Channel modeling and characterization
- Propagation models for RF channels
- Multiple access techniques
- Radio resource management and allocation, scheduling
- Quality of service provision
- Radar systems and subsystems
- Radar signal processing
- Emerging radar technology
- Antenna systems and technologies
- Communication & navigation systems and technologies
- Remote sensing
- Air vehicle systems and technologies
- Ground, satellite and space operations

#### Next Generation Networks, Protocols, and Services

- All-optical networks
- Broadband wireless LANs/MANs
- Satellite and space communications
- Network convergence
- Network management
- Next generation Internet
- Multimedia communication, quality of service and traffic management
- Mobile multimedia
- Quality of service/experience
- Web services and architectures
- Telecommunications market
- Consumer communications and networking
- Smart spaces and personal area networks
- Localization for wireless networks
- Mesh, relay, sensor and adhoc networks
- Mobility, location and handoff management

#### Information Infrastructure

- eCommerce and eGovernment
- Information society
- Knowledge management
- Security and privacy
- Social networks services
- Multimedia & entertainment networking and services
- Peer-to-peer networking and content distribution

#### Energy and Communications

- Energy challenges in communications systems
- Smart grids
- Wireless communications and smart metering
- Smart sensing, communications and control in energy systems

#### Services, Applications and Business

- Service architectures
- Communications systems software
- Software engineering
- Software testing and evaluation
- Software design for mobile devices
- Tools, environments and testbeds
- Emerging wireless/mobile applications
- Wireless e-services in health, agriculture and business
- Wireless emergency and security systems
- Innovative user interfaces
- Peer-to-peer services for multimedia

#### National Plans, Policies and Education

- Government/university plans and programs in the communications sector
- Management, Systems Engineering and Cost
- Regulation in a converged environment
- Regulations, standards, spectrum management
- Customer-centric communications sector
- Universal access

#### Important Dates

Conference Papers Due:  
**1st July 2011**

Acceptance Notification:  
**15th July 2011**

Final/Camera Ready Papers,  
Due:  
**23rd July 2011**

**Paper Submission:** Visit <http://tech.mak.ac.ug/ncc> for paper formatting instructions and submissions.

#### Conference Chair

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