



## CALL FOR PAPERS

### 5th NATIONAL CONFERENCE ON COMMUNICATIONS

10th - 11th October 2019, Kampala, Uganda

The 5th National Conference on Communications (NCC) will be held in Kampala, Uganda, from 10th - 11th October 2019. The NCC provides an opportunity to build capacity and strengthen the academia and industry communities in communications particularly in the research of locally relevant solutions. The NCC provides students, researchers, developers, and practitioners with a platform to address new research challenges, share solutions and discuss issues relevant to the communications sector of Uganda. The NCC will also host keynote and invited speakers to share their views on communications from regulation, social-economic, political and gender perspectives.

#### ORGANISED BY:

College of Engineering, Design, Art and Technology (CEDAT), Makerere University and Uganda Communications Commission (UCC)

#### TOPICS:

**Main topics of interest include, but are not limited to:**

- Internet of Things (IoT)
- Communication Systems
- Artificial Intelligence
- Broadcasting
- ICT infrastructure for technology hubs
- ICT security issues in developing countries
- National ICT plans, policies and ICT in health and education
- ICT Services, applications, e-business and security
- ICT infrastructures based on alternative energies
- Green communications and energy efficiency
- Next generation (5G) mobile communications
- Advances in 3G and 4G mobile communications
- Cloud computing and network function virtualization (NFV)
- Broadband multimedia systems and services
- Communication systems for the 4th Industrial Revolution

## NCC 2019 Industry Track

The NCC Secretariat announces the Industry Track to give industry players an opportunity to share their experiences, challenges and adoption of latest technologies to solve these challenges. The technologies are not limited to specific industries (for example business, engineering, agriculture, public sector, health, etc) and different application areas (business intelligence, smart cities, transport, etc). However, the technology should rely on communications technology and the paper should clearly reveal this component. The papers can take on any shape or form and should not necessarily include any significant theoretical backgrounds.

The industry track aims to facilitate and enhance discussions between industry players and academicians on the best way to create synergies to solve local problems. We welcome contributions based on any or all the following:

**Success stories** of adoption of new technologies to solve real world problems, especially focusing on what the problems were and how these new technologies have been harnessed to provide credible and sustainable solutions.

**Experiences and challenges** faced in the industry today and what the probable technologies and solutions are being (or should be) considered to solve them

### Topics of Interest

Topics of interest include, but are not limited to, the following:

- Applications of new technologies in specific domains (agriculture, health, education, public sector, etc)
- Approaches to bridge the gap between academia and industry
- Artificial Intelligence and its applications in any application area
- Financial and strategic investment in new technologies (e.g. 5G)
- Case studies
- The role of spectrum regulation in enhancing innovation around the wireless technologies sector
- Scalability challenges of certain technologies and use cases

### IMPORTANT DATES:

Conference Papers Due: **26th July 2019**

Acceptance of Notification: **30th August 2019**

Final, Camera Ready Papers: **13th September 2019**

## **PAPER SUBMISSION:**

Papers submitted to NCC2019 must not have been published elsewhere. Students with works in progress are encouraged to make submissions too. Paper submissions should follow the NCC double-column paper format and should be submitted electronically via the NCC2019 website (<http://ncc.co.ug/>). A maximum of seven (7) pages including all figures and references are allowed for each paper. Submitted papers will undergo a peer review process, coordinated by the Technical Program Committee.

Submission of a paper implies that, should the paper be accepted, at least one of the authors must register and attend NCC2019 to present the work. Instructions and guidelines for electronic submission are available on the NCC website or by email via [ncc@cedat.mak.ac.ug](mailto:ncc@cedat.mak.ac.ug).

Students who may need to improve the quality of their paper submissions should indicate by email, the need for assistance on their first paper submission. Selected students will be assigned mentorship under a grant; however, they are encouraged to submit early.

The Industry track is open to practitioners to present their experiences, cases, policies and best practices. These contributions need not be guided by academic theory and critical analysis. All accepted papers will be allocated a presentation slot and published in the proceedings.

Submit your papers online to NCC 2019 at:

<https://easychair.org/conferences/?conf=ncc20190>

## **CONTACT:**

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