



## **The First International Conference on Technological Advancement in Embedded and Mobile Systems (ICTA-EMoS)**

**Arusha, Tanzania**

<http://www.icta-emos.org/>

Recent advances in cutting-edge technologies, such as embedded and mobile systems, have demonstrated immense promise for addressing societal and commercial issues and have made a significant contribution to sustainable development. To disseminate the advances in Embedded and Mobile Systems, A Center of Excellence for ICT in East Africa (CENIT@EA) has designed an International Conference on Technological Advancement in Embedded and Mobile Systems (ICTA-EMoS).

The First ICTA-EMoS conference provides a venue for researchers and practitioners to come together, discuss and exchange recent developments and approaches to examine technological advancements and breakthroughs in the field of embedded and mobile systems (EMoS) and applications, and to establish a platform for further advancements in the area.

The conference will be in HYBRYD mode and online participation will be provided.

The conference will consist of plenary sessions, oral and poster presentations and prototype exhibitions. Topics of interest have been grouped into five thematic areas; Smart Systems Development, Artificial Intelligence Tools and Applications, Ethics in Information System, Multimedia & Cognitive Informatics and Wireless and Mobile Communications. Below are the topics with any additional topic relevant to the broad field of the related area identified are also encouraged.

### *Theme 1: Smart Systems Development*

- Embedded Systems
- Internet of Things (IoT)
- Mobile Applications
- Fourth Industrial Revolution (4IR)

### *Theme 2: Artificial Intelligence Tools and Applications*

- Data Analytics
- Machine Learning Applications (ML)
- Natural Language Processing (NLP)
- Robotics



### *Theme 3: Ethics in Information System*

- Cyber and IT Security
- Cloud Computing
- Intelligent Systems
- Blockchain Technology

### *Theme 4: Multimedia & Cognitive Informatics*

- Image Processing
- Computer Graphics
- Drone Designs
- Computer Vision

### *Theme 5: Wireless and Mobile Communications*

- 5G and 6G Technologies
- Decentralised Communication Systems
- Centralised Communication Systems
- Mathematical Modelling of Communication Systems

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### Important Dates

(All dates are end of the day, anywhere on earth)

Paper Submission: 2nd September 2022

Acceptance Notification: 5th October 2022

Camera Ready Submission: 4th November 2022

Conference Dates: November 24 - 25, 2022

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Submission details: The details of submission type and manuscript format are found in the Conference Website: <https://icta-emos.org/call-for-papers/>

Contact email address: icta-emos@nm-aist.tz.