



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 HYBRID mode and online participation will be provided.

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

IMPORTANT

Paper Submission: **15th September 2022**
Acceptance Notification: **5th October 2022**
Camera Ready Submission: **4th November 2022**
Conference Dates: **November 24 - 25, 2022**

All accepted papers will be published in the Springer book (conference proceedings).

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
Please note that all accepted papers will be published in the Springer book.