

Kerala University of Digital Sciences, Innovation and Technology  
(Digital University Kerala)
8<sup>th</sup> - 10<sup>th</sup> December 2023

## Call for Papers

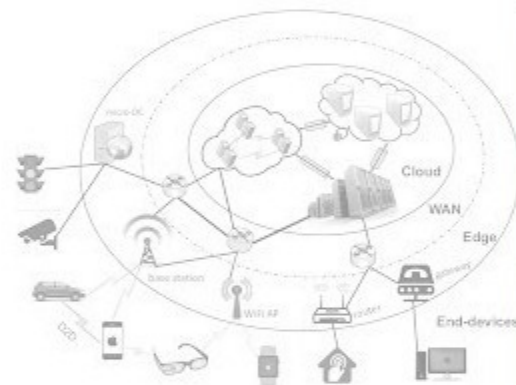
### ADCOM 2023: Adaptive, Generative and Bio-inspired AI in Computing and Communications

The Advanced Computing and Communications Society (ACCS) in association with the Digital University Kerala announces the 28th annual International Conference on Advanced Computing and Communications (ADCOM 2023) at Maker Village, Kochi during 8th - 10th December 2023.

ADCOM 2023 explores the current state-of-art in AI covering broad spectrum of adaptive, generative and bio-inspired algorithms and/or hardware useful in computing and communications. Generative AI is a type of artificial intelligence (AI) that can create new content, such as text, images, or other media, from scratch. Generative AI models are trained on large datasets of existing content, and then use this data to learn the patterns and rules that govern how that content is created. Generative AI has a wide range of potential applications in Content creation, Data augmentation, Artificial intelligence assistant, Entertainment, Product design etc.

ADCOM 2023 calls for original, high impact research papers and case studies on many aspects of Embedded AI systems and related technologies while seeking novel contributions that help identify challenges in the widespread deployment of such systems. Researchers and practitioners are encouraged to submit original research contributions in all major areas, which include, but not limited to:

- Bringing AI, machine learning – deep learning, reinforcement learning etc. – to embedded devices and the network edge
- Defining edge requirements: intelligence, computing performance, connectivity
- Low power design
- Edge architectures and cloud connectivity
- Smart sensors, node to cloud platform topologies
- Energy harvesting
- RF technology at the edge
- Hardware Accelerators
- Neuromorphic Processors
- Reconfigurable Systems
- Mobile Embedded Systems
- Tool chains and development platforms
- Applications of Embedded AI in Automotive, telecom, defence and e-governance applications
- Security, privacy and regulatory aspects
- Case studies



Accepted and presented papers will be published as a conference proceedings (<https://www.riverpublishers.com>) and best papers invited for submission to special issues of Scopus indexed journals (e.g. Journal of Mobile Multimedia).

#### Important Dates:

Technical Papers Sought by **30-Aug-2023**

Acceptance Communicated by **15-Oct-2023**

Final Print Ready Papers due by **15-Nov-2023**

Submissions only through EDAS: <https://edas.info/N31238>

Visit <https://www.adcom2023.accsindia.org/> for detailed information on the conference.

#### For more information on the Conference:

Email us at [adcom2023@accsindia.org](mailto:adcom2023@accsindia.org) or

Call us at +91 80 2360 7142 or +91 76249 57142

#### Write to us at:

Secretary, ADCOM 2023

Advanced Computing & Communication Society

Gate #2, C. V. Raman Avenue

Indian Institute of Science

Bangalore 560012

**We look forward to your submissions.**

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<https://edas.info/N31238>



**Visit us for more information.**

URL: <https://accsindia.org/>

Gate no 2, Sir C V Raman Avenue, IISc, Bangalore 560012