



Call for Papers

ADCOM 2024: Responsible AI and beyond

General Chairs: Prof. Chandrashekar Ramanathan (Dean Faculty - IITB) | Technical Program Chairs: Prof. Srinath Srinivasa (Dean R&D -IITB) and Dr. Saragur M. Srinidhi (ACCS)

The **Advanced Computing and Communications Society (ACCS)** in association with **The International Institute of Information Technology Bangalore** announces the 29th annual **International Conference on Advanced Computing and Communications (ADCOM 2024)** at Bangalore during 18th - 20th December 2024.

ADCOM, the flagship Systems Conference of the ACCS, is a major annual international meeting that draws leading scientists and researchers in computational and communications engineering from across industry and academia. ADCOM highlights the growing importance of Large-Scale Systems Engineering and provides the platform to share, discuss and witness leading edge research and trends.

ADCOM 2024 seeks to share insights for a 'Responsible AI' framework to develop Artificial Intelligence safely and ethically based on the five core principles of fairness, transparency, accountability, privacy and safety. Sustainable, reliable, effective, and human-centered AI systems require responsible AI principles and perspectives not only from technological but also from ethical, legal, and socio-economic domains. This edition of ADCOM will also explore as a sub theme the democratization of access to AI with a need for Trust, Risk and Security Management (TRiSM) to enhance positive performance and societal gains that AI enables.

ADCOM 2024 calls for original, high impact research papers on Responsible AI Framework and related technologies while seeking novel contributions that help define Trust and Security Management in large AI systems, which include, but not limited to:

- Legal, ethical, and regulatory frameworks for responsible AI
- Fairness, accountability, and transparency in AI
- AI Unlearning and Explainability
- MLOps, DevOps, and AIOps for responsible AI and data science systems
- Algorithmic bias and fairness in search and recommendation
- Bias mitigation and fairness-aware machine learning
- Software verification and validation for responsible AI and data science systems
- Approaches for ensuring calibrated trust in AI
- Actionable metrics that can be measured and monitored for AI ethics
- Trust, Security, Privacy, Policy management
- Agent Based Trust Management
- Trustworthy and Responsible Autonomy
- Authorization, Authentication and Identity Management
- Tooling for ModelOps, proactive data protection, AI-specific security, model monitoring
- Monitoring for data drift, model drift, and/or unintended outcomes
- Risk controls for inputs and outputs to third-party models and applications.

All accepted papers of ADCOM 2024 will be published in the CCIS series of Springer. CCIS is abstracted/indexed in DBLP, Google Scholar, EI-Compendex, Mathematical Reviews, SCImago and Scopus.

Important Dates:

Full Technical Papers Sought by **30 July 2024**
Acceptance Communicated by **15 Oct 2024**
Final Print Ready Papers due by **25 Nov 2024**

Submissions only through EasyChair -

<https://easychair.org/conferences/?conf=adcom2024>

Visit us at www.accsindia.org/adcom2024 for detailed information on the conference

For more information on the Conference:

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