<p align="center" style="color:blue">Call for Papers
Systems for the Future of AI/ML (SysAI) – COMSNETS Workshop 2025</p>

Important Dates

Paper Submission deadline:	**27th October 2024 (AoE)**
Notification of Acceptance:	**3rd December 2024**
Camera-ready Submission:	**10th December 2024**
Workshop Date::	**10th January 2025**

Workshop Overview

The rapid evolution of Artificial Intelligence (AI) and Machine Learning (ML) has brought unprecedented opportunities and challenges. As organizations increasingly deploy AI/ML solutions at scale and the edge, there is a growing need for expertise in developing, optimizing, and managing these systems. The workshop aims to bring together professionals from academia and industry to discuss and explore the challenges, solutions, and advancements in building robust and efficient systems that support real-world AI and ML solutions operating at scale and at the edge.

We invite researchers, practitioners, and experts in the fields of Computer Systems, Artificial Intelligence (AI) and Machine Learning (ML) to contribute to our upcoming workshop on "Systems for the Future of AI/ML." The workshop aims to bring together professionals from academia and industry to discuss and explore the challenges, solutions, and advancements in building robust and efficient systems that support real-world AI and ML solutions operating at scale and at the edge.

Topics of Interest:

We encourage the submission of papers on a wide range of topics related to systems for AI and ML, particularly focusing on developments at scale and the edge. Relevant areas of interest include, but are not limited to:

- Updating current systems to support ever-growing ML models
- Scalable system architectures for the future of AI/ML

- AI/ML for large-scale edge computing solutions
- Distributed systems for distributed AI models of the future
- Efficient deployment of AI models of the future
- Real-time processing and inference at the edge
- Resource-efficient algorithms for large-scale data
- Optimization techniques for edge-based AI applications
- System enhancements to bring AI to the edge
- Case studies and practical experiences in deploying AI/ML at scale and the edge.
- Hardware-aware AI modelling and deployments
- Platform and AutoML for Edge AI operations
- Generative AI on the edge
- Technical Benchmarking and experiences from large-scale edge-based AI Solutions

Submission Guidelines

- SysAI invites submission of original work not previously published or under review at another conference or journal.
- Submissions (including title, author list, abstract, figures, tables, and references) must be no more than six pages long.
- Reviews will be **double-blind**: Information about the authors will not be shared with the reviewers during the review process. The submitted paper should be anonymous and not have any reference to the authors' names and/or institutions.
- Submissions must follow the formatting guidelines on the IEEE Website, and those that do not meet the size and formatting requirements will not be reviewed.
- All papers must be in Adobe Portable Document Format (PDF) and submitted through the SysAI Workshop submission site on HOTCRP.
- All workshop papers will appear in the conference proceedings and be submitted to IEEE Xplore and other Abstracting and Indexing (A&I) databases.

Papers can be submitted through HOTCRP: <TBA>.

For any queries, please contact us at comsnets.workshop@gmail.com

Technical Program Committee

<TBA>

Workshop Co-Chairs

Alok Ranjan

Bosch, India

Rohit Verma

Intel Labs, India