

Special Session 2: Trustworthy AI: Evaluation Frameworks, Governance, and Real-World Applications

Organizer: **Asst. Prof. Ahlam Shakeel Ahmed Ansari**, M. H. Saboo Siddik
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Biography: Ahlam Shakeel Ahmed Ansari is an Assistant Professor of Computer Engineering at M. H. Saboo Siddik College of Engineering, Mumbai, with over 16 years of teaching and research experience. She is researching — "A Unified Framework for Evaluating Trustworthiness of AI Systems (UFE-TAIS)" — develops a paradigm-aware composite trustworthiness scoring pipeline anchored to the NIST AI RMF, EU AI Act, and ISO/IEC 42001. Her research spans trustworthy AI evaluation, federated learning, privacy-preserving AI, AI governance, and MCDM (BWM-TOPSIS) methodologies, with applications in healthcare and cybersecurity. She holds 20+ publications and credentials, including Google Certified Educator (Levels 1, 2 & Gemini), Mendeley Advisor, SciSpace Ambassador, and MIT JWEL membership.

Introduction

The 10th International Conference on Algorithms, Computing and Systems
ICACS 2026 - **Special Session 2: Trustworthy AI: Evaluation Frameworks, Governance, and Real-World Applications**

With great pleasure and privilege, we invite you to attend the 10th International Conference on Algorithms, Computing and Systems (ICACS 2026) which will take place in **Phuket, Thailand** during **December 18-20, 2026**. It is co-sponsored by Rajamangala University of Technology Srivijaya, Thailand and University of Thessaly, Greece.



Publication



All papers will be strictly double blind reviewed by the program committee, and accepted papers after proper registration and presentation will be published in the International Conference Proceedings.



Deadline

August 15, 2026



Submission Platform

<http://confsys.iconf.org/submission/icacs2026>

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Subtopics

- Beyond Accuracy: Multi-Dimensional Trustworthiness Evaluation of AI Systems
- Governing the Black Box: Frameworks for Explainability and Accountability in AI
- Trustworthy AI in High-Stakes Domains: Healthcare, Finance, and Autonomous Systems
- Composite Trust Scoring: MCDM Approaches for Quantifying AI Reliability
- Regulatory-Aligned AI: Mapping Systems to NIST AI RMF, EU AI Act, and ISO/IEC 42001
- Federated Learning and Privacy-Preserving Architectures as Trust Enablers

Research Scope

As AI systems become embedded in critical decision-making pipelines, evaluating their trustworthiness demands a rigorous, multidimensional lens that goes far beyond conventional performance metrics. This special session invites original contributions exploring composite trust scoring, explainability, fairness, robustness, and regulatory alignment across AI paradigms. We welcome papers that bridge theoretical frameworks with applied deployments — particularly in healthcare, finance, and autonomous systems — contributing to the global conversation on accountable and auditable AI.

Submission

Submit your Full Paper (no less than 8 pages) or your paper abstract-without publication (200-400 words) via Online Submission System, then choose Special Session 2 (Trustworthy AI: Evaluation Frameworks, Governance, and Real-World Applications)

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