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School of Computing

Department of Artificial Intelligence & Machine Learning

6th International Conference on Computer & Communication Technologies (IC3T) 2024

04- 05 October, 2024

Special Session on

Industry-Driven Machine Learning, Deep Learning with Explainable AI (ID-MLDLEAI)

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Theme of Session:

The purpose of this special session is to facilitate collaboration between industry executives, education experts, and dedicated educators from around the world in order to improve engineering excellence using advanced Intelligent Computing technologies. The event offers a top-quality platform for industry experts, researchers, engineers, and academics to showcase and deliberate on the most recent developments, advancements, difficulties, applications, and resolutions in the fields of Machine Learning, Deep Learning, and Explainable AI. The session seeks to narrow the divide between scholarly research and industry practices, promoting cooperation and the sharing of knowledge.

Objectives

- **Premier Interdisciplinary Forum**: To unite leading industry professionals, academic scientists, researchers, industrialists, practitioners, policymakers, and educators interested in advancing Machine Learning, Deep Learning, and Explainable AI across various sectors.
- **Industry-Focused Advances and Techniques**: To present and discuss recent industry-focused advances, techniques, exchange ideas, and share experiences and knowledge.
- **Collaboration Opportunities**: To provide diverse opportunities for delegates to share ideas, experiences, knowledge, and translational application of new approaches, fostering future research and industrial collaborations.
- **Strengthening Research Relations**: To foster research relations and find global partners for future collaborations between industry and academia.
- **Tool and Technique Awareness**: To create awareness about appropriate tools and techniques for analyzing problems and identifying actionable insights relevant to industry needs.
- **Enhancing Industry-Academia Interaction**: To provide opportunities for mutual interaction between industry, academia, and research organizations, bridging the gap between theory and practice, and exploring new research avenues.
- **Curriculum and Pedagogy Enhancement**: To integrate technological developments into industry-relevant curriculum and pedagogy.

Context

- **Technological Adoption for Industrial Problems**: To adopt recent technologies to enhance applications in solving industry-specific problems, particularly in healthcare, agriculture, manufacturing, finance, and other critical sectors.
- **Advancing Healthcare and Industrial Systems**: To upgrade healthcare and industrial systems with capabilities such as machine learning, data analytics, and cognitive power for providing more intelligent and professional services.
- **Industry Research Presentation**: To provide an opportunity for participants from industry, academia, and research organizations to present their research outcomes and industry case studies.
- **Current Industry Trends and Challenges**: To bring awareness to current industry trends, challenges, and best practices.
- **Expert Interaction**: Participants can interact with domain experts and cross-domain experts, enhancing their professional network and industry connections.

Scope

The session focuses on sharing advances and innovative technologies with industry professionals, scientists, scholars, engineers, and students from various universities and industry practitioners. It addresses relevant topics and research issues in Machine Learning, Deep Learning, and Explainable AI, fostering collaborations among stakeholders from distinct universities, national laboratories, government funding bodies, and industry.

Topics of Interest:

The following are the topics of interest, but not limited to,

- Knowledge and Data Engineering
- Information Retrieval Systems
- Data Analytics
- Big Data Visualization
- Artificial Intelligence
- Expert Systems
- Intelligent Agents & Systems
- Computational Intelligence
- Machine Learning, Deep Learning, Federated Learning
- Soft Computing, Edge Computing
- Cognitive Computing
- High-Performance Computing
- Image Processing
- Natural Language Processing
- Internet of Things
- Cloud Computing
- Explainable AI
- Transparency in AI Models
- Interpretable Machine Learning
- Ethical AI Practices
- Industrial Applications of AI
- AI in Healthcare and Agriculture
- AI in Manufacturing and Finance

Paper Submission Process:

Paper submission link:

https://cmt3.research.microsoft.com/IC3T2024/Submission/Index

For details visit:
https://ic3t.co.in/
email: ic3t.mbu2024@gmail.com

This session aims to create a robust platform for exchanging ideas, fostering collaborations, and advancing the field of Machine Learning, Deep Learning, and Explainable AI to address critical industry challenges and drive innovation.

Program Committee:

- Mohammad Gouse Galety, Samarkand International University of Technology, Samarkand, Uzbekistan.
- Dr.S.Viswanadha Raju, JNTUHCEJ, Karimnagar
- Dr.Suresh Kallam, Jain-deemed-to-be University, Bangalore
- Dr.GGS Pradeep, Alliance University, Bangalore
- Dr. Siva Ram Rajeyyagari, Dean, IT & E-Learning, Shaqra University, Shaqra.
- Sreenivasa Chakravarthi Sangapu, Amrita Vishwa Vidyapeetham, Chennai