

ICIICE 2026

Dubai

International Conference on Integrated Intelligence and Cognitive Engineering



18-19 April, 2026



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CALL FOR PAPERS - WORKSHOP

WORKSHOP (ONLINE)

Workshop Chair

Dr. Heba Ismail, Zayed University, UAE

Operational AI Systems: MLOps, Applied Intelligence, and Governance

Bridging cross-disciplinary dialogue to build scalable, robust, and compliant AI systems with real-world impact.

This workshop focuses on Operational AI Systems, bringing together research and practice at the intersection of MLOps, applied artificial intelligence, and AI governance. It aims to provide a forum for researchers, practitioners, and industry professionals to share methodologies, tools, frameworks, and case studies that address the full AI lifecycle, from data ingestion and model training to deployment, monitoring, evaluation, and compliance.

The workshop welcomes contributions that explore end-to-end AI system engineering, including comparative evaluations of applied AI models on real-world datasets, operational challenges in domain-specific applications (e.g., automotive, healthcare, education), and strategies for integrating privacy, security, and regulatory requirements into AI pipelines. Special emphasis is placed on trustworthy and responsible AI, covering topics such as data protection, explainability, fairness, risk management, and governance frameworks aligned with emerging regulations and organizational policies.

We welcome original papers, including but not limited to the following topics of interest:

- MLOps frameworks and architectures for applied AI systems
- Deployment, monitoring, and maintenance of AI/ML and GenAI models
- Model evaluation, benchmarking, and comparative studies on real-world datasets
- Applied AI systems in domains such as automotive, healthcare, education, and smart cities
- Data engineering pipelines for operational AI
- AI governance, data privacy, and regulatory compliance (e.g., PDPL, GDPR, AI governance frameworks)
- Trustworthy AI: fairness, explainability, robustness, and risk mitigation
- Lifecycle management of AI systems and continuous improvement
- Industry case studies and lessons learned from production AI systems

Target Audience

- Researchers working on applied AI, MLOps, and AI systems engineering
- Industry practitioners and engineers deploying AI at scale
- Policymakers and governance professionals interested in AI compliance and regulation
- Academics and graduate students exploring real-world AI challenges

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