# The 1st International Workshop on Smart Education in the Age of Generative AI (SEGA) 2025

Calgary, Alberta, Canada
August 18 - 22, 2025
Co-located with IEEE Smart World Congress 2025

## CALL FOR PAPERS

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This workshop seeks to bridge innovation and responsibility in AI-enhanced education by uniting researchers, educators, and technologists. It will explore methodologies like generative AI and reinforcement learning to address technical challenges such as content quality, ethical alignment, and adaptive learning systems. Participants will examine strategies to optimize AI-generated educational materials, improve human-AI interaction frameworks, and deploy RL for personalized learning pathways. The workshop welcomes submissions on real-world applications, content validation techniques, and ethical governance models, aiming to foster interdisciplinary solutions that prioritize both efficacy and equity in education.

Key Topics:
• Technical Challenges in AI-Driven Education
• Methodologies and Tools
• Human-AI Interaction Design
• Ethical and Governance Considerations
• Case Studies and Applications

The workshop invites contributions on:
• Novel AI/RL algorithms for educational content generation and adaptation.
• Empirical studies on AI's impact on learning outcomes and instructor workloads.
• Frameworks for evaluating AI-generated content validity and inclusivity.
• Ethical guidelines and policy recommendations for institutional AI adoption.

SEGA 2025 is scheduled as a hybrid meeting. For each accepted paper, one author must register and participate in the workshop. Accepted papers will be published in the IEEE SWC 2025 Proceedings (IEEE CPS).

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