

TALE 2024 Conference Workshop – 2

AI-Driven EdTech & SDG Education: Shaping the Future of Learning for a Sustainable World

Date & Time: Dec 10th 2024, 2pm to 5pm

Workshop Facilitator:

Dr. Leon Lei Ph.D., Hong Kong University, Hong Kong

Workshop Overview

In an era of rapid technological advancement, education is undergoing a transformation that promises to reshape how we teach, learn, and prepare for the future. This 3-hour workshop at TALE 2024 invites educators, researchers, and innovators to explore the intersection of AI-enabled educational technologies (EdTech) and the Sustainable Development Goals (SDGs), two critical pillars for future-ready education systems.

Part 1: AI-Enabled EdTech – Transforming Education

Artificial Intelligence is no longer just a buzzword; it's an essential tool driving innovation across industries, including education. In this first segment, participants will explore the latest AI-powered EdTech solutions that are revolutionizing classrooms around the globe. From personalized learning platforms to intelligent tutoring systems, we will delve into practical applications that educators can seamlessly integrate into their curriculum to foster more interactive, inclusive, and adaptive learning environments. Expect hands-on exposure to tools that empower both teachers and students to thrive in the digital age.

Part 2: Sustainable Development Goals (SDG) Education – Empowering a Better Tomorrow

Climate change, social inequality, and sustainable development are among the most urgent challenges facing the world today. Education plays a pivotal role in tackling these global issues. In this interactive session, we will explore the role of education in achieving the United Nations' 17 SDGs and 169 Targets by 2030. Using engaging games, visual tools, and practical strategies, this part of the workshop will equip you with the knowledge and resources to teach SDGs effectively, inspiring students to become agents of change in building a sustainable future.

Support from IEEE and its Communities

As part of IEEE's mission to advance technology for the benefit of humanity, this workshop will also highlight how IEEE, IEEE Region 10, and the IEEE Education Society can support Organizational Units (OUs) in organizing impactful educational events that leverage both technology and sustainability principles.

Who Should Attend?

This workshop is ideal for educators, academic leaders, curriculum developers, technologists, and anyone passionate about the future of education and sustainable development. Whether you're looking to integrate cutting-edge AI tools into your teaching practice or seeking to inspire the next generation of global citizens through SDG education, this workshop will provide practical insights and actionable strategies to make a lasting impact.

Don't miss this opportunity to be at the forefront of educational innovation and sustainable development!

Biography of Facilitators

With extensive experience in digital learning initiatives, Leon has contributed to higher education and K-12 education throughout Hong Kong and the Asia-Pacific region. Several of his educational development projects have been shortlisted in the QS Re-Imagine Education Award or the THE Awards Asia.

As an IEEE Senior Member and an Advance HE Principal Fellow, he earned his PhD in Electrical Engineering from the University of Hong Kong (2011) and his EdM in Human Resources Development from the University of Illinois Urbana-Champaign (2022). Leon's research interests encompass learning analytics, MOOCs, generative AI for education, accessible learning and Sustainable Development Goals (SDGs).



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