

# Integrating Responsible AI into Blended Learning for a Sustainable Future in Higher Education

## Purpose/Objectives

The proposed workshop aims to equip higher education educators with a comprehensive understanding of responsible Artificial Intelligence (AI) practices and their application in blended learning environments. The primary objectives are to:

1. Enhance educators' awareness of ethical considerations in AI usage.
2. Demonstrate the integration of AI tools in blended learning frameworks.
3. Provide strategies to ensure AI applications promote inclusivity and fairness.
4. Create a platform for discussion about the future of AI in education.

## Audience

The workshop is designed for faculty members, instructional designers, academic technologists, and administrators in higher education. Attendees should have a basic understanding of teaching pedagogy and be interested in exploring the intersection of technology with it.

## Overview

As AI technologies rapidly advance, their integration into educational settings presents both opportunities and challenges. This workshop will focus on the responsible use of AI to enhance blended learning experiences in higher education, aligning with the United Nations Sustainable Development Goals (UN SDGs). In particular, the workshop will highlight the role of AI in achieving Quality Education (Goal 4), by promoting inclusive, equitable, and lifelong learning opportunities, and Reduced Inequalities (Goal 10), by ensuring fair access to AI-enhanced educational resources.

## Topics

Topic	Duration (h)
Introduction to Responsible AI in Education	10 mins
The Role of AI in Blended Learning	15 mins
Ethical Considerations and Challenges	10 mins
Strategies for Promoting Inclusive and Fair AI	15 mins
Summary	5 mins
<b>Total</b>	<b>45-55 mins</b>

## Presenter(s)/Facilitator(s)



Dr. Peter Yau received his DBA at [University of Newcastle, Australia](#); his dissertation is entitled "An Empirical Study of the Drivers and Impediments in the Adoption of Financial Technology". Dr Yau received his MMgt, concentrated in the financial management; and BSc (Hons) in Computer Science from [Chinese University of Hong Kong](#).

Peter is currently an [Assistant Professor in Computing Science](#) at the [University of Glasgow, Singapore](#). He has joined the editorial board of the [Journal of Artificial Intelligence and Big Data](#) as an associate editor; this journal offers substantial new insight including machine and deep learning,

knowledge reasoning and discovery. He is a programs evaluator for the Computing Accreditation Commission of the [Accreditation Board for Engineering and Technology \(ABET\)](#), received a [Microsoft Most Valuable Professional \(MVP\)](#) award, and was an [Amazon AWS Educate Cloud](#) Faculty Ambassador.

His research interests include system engineering, information technology application, financial technology and application, Internet of Things (IoT), robotics, web development, resource planning methodology, entrepreneurship and innovation, and small and medium-sized enterprises (SME) management.