

WORKSHOP

Understanding the ethical implications of using GenAI in engineering education.

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WORKSHOP MODE

This workshop will be facilitated **in-person**.

OVERVIEW OF WORKSHOP

This workshop aims to delve into the ethical considerations surrounding the utilisation of Generative Artificial Intelligence (GenAI) in engineering education. We will examine the perspectives of both students and academics and investigate whether the existing ethical guidelines are sufficient or if they necessitate a redefinition in light of this disruptive technology. The discussion will also encompass the potential impact of GenAI on the future of engineering education and the responsibilities of educational institutions in preparing students for the ethical challenges associated with its use.

ACTIVITIES

The workshop will start with the facilitator's latest research on the ethical use of GenAI in engineering education. The audience will review case studies and ethical considerations, then break into small groups to further examine and debate these trends. Finally, the whole group will assess if the current ethical guidelines meet the requirements.

TARGET AUDIENCE

Everybody is welcome to attend this workshop. This workshop will benefit you if you have used or would like to use GenAI in your teaching.

OUTCOMES

It is expected that anyone who attends will have a deeper insight into the ethical considerations of using GenAI in engineering education. If the group responses to the case studies are significant in nature, the facilitators will publish the findings from the workshop. The facilitators are currently waiting on ethics approval.

KEYWORDS

GenAI and ethics

PRESENTERS' BACKGROUNDS

Dr Zachery Quince is an ECR in engineering education at the University of Southern Queensland.
Ms Kathy Petkoff is a Senior Teaching Fellow with the Faculty of Engineering at Monash University
Dr Ruby Michael SFHEA is a Senior Lecturer in Ecological Engineering at Griffith University
Dr Scott Daniel is Senior Lecturer in Humanitarian Engineering at the University of Technology Sydney
Dr Sasha Nikolic is Senior Lecturer of Engineering Education at the University of Wollongong