

## WORKSHOP

### Industry Engagement in Curriculum Design

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#### OVERVIEW OF WORKSHOP

The workshop will provide an opportunity for participants to share experiences and discuss/identify best practices in engaging industry in engineering education beyond industry placements and capstone projects. The workshop will focus on discussing the diverse ways in which industry stakeholders can contribute and participate in Engineering programs as well as strategies in course design that allow for an efficient use of diverse industry stakeholders.

#### ACTIVITIES

The facilitators will start by briefly setting the scene introducing the different forms and levels of industry engagement they have been exposed to or implemented within their Engineering courses, and by identifying some of the benefits and hinderances in these practices. The workshop will comprise of a series of brainstorming and discussion activities focused on unpacking the challenges around industry engagement in course design, drawing on participants experiences and insights. Selected themes and ideas arising from these discussions will subsequently serve as catalysts for ideation activities on strategies for sustainable and relevant industry engagement (who, how, how much, where, when) at a course level.

The participants will be split into smaller groups for brainstorming activities, and selected ideas and themes will be discussed with all participants. Key ideas and discussions will be captured, consolidated, and documented upon completion of the workshop. Equipment required to conduct the workshop includes: wi-fi connection and AV technology for facilitators to present/share screens.

#### TARGET AUDIENCE

Anyone interested in how industry and academia can better work together for positive student learning outcomes beyond internships and capstone projects.

#### OUTCOMES

The participants will learn about practices in industry engagement applied in other educational institutions and will leave with strategies and mechanisms for effective, sustainable, and relevant industry engagement within engineering courses.

#### KEYWORDS

Industry engagement, course design, challenges and opportunities.

#### PRESENTERS' BACKGROUNDS

Mariana Paulino and Ellen Moon are Senior Lecturers at Deakin University's School of Engineering. Both Mariana and Ellen hold discipline leadership positions, in Mechanical Engineering and Environmental Engineering, respectively. They both chair and deliver Project-Oriented Design-Based Learning units with different degrees of industry-engagement and industry-stakeholders participation.