

## **Sustainable Green Buildings: Building of the Future – Current Advances and Future Developments**

**Presenters:** Dr. Malindu Sandanayake (Victoria University, Australia) (Lead Presenter/Trainer)

Dr. Pow-Seng Yap (To assist as required by Dr. Malindu)

### **Abstract:**

Sustainability has become a contemporary criteria in building life cycle, due to current frantic resource consumptions and emissions. Often, the sustainability considerations are limited to environment benefits and focused on few life cycle stages. However, the trend is changing to a more holistic approach with the current advances in smart technologies and sustainable development initiatives. As a result, the concept of green building has gradually evolved with the increase in public awareness of environmental protection and other key elements of sustainable developments. The workshop will explore the current advancements, critical barriers and impediments to implementing sustainable considerations in green buildings with a focus on whole building life cycle. The workshop will mainly include the following activities:

1. 30 minutes – Introductions and ice-breaker to the event
2. 15 minutes – Presentation
3. 30 minutes – Interactive small-group activity
4. 30 minutes – Round table discussion/ Q&A session
5. 15 minutes – Conclusions/wrap-up the workshop

Participants in this workshop will also be sharing information on the current best practices and processes to obtain a greater understanding of sustainable considerations of a green building across the life cycle.

**Schedule:** 19<sup>th</sup> August 2023 from 2.00 p.m. to 4.00 p.m. (Depending on the availability of Dr. Malindu, either a recorded video or live video will be provided by Dr. Malindu- to be confirmed.)

**Target group:** Undergraduate and Post-graduate research students, Academics with interest, Construction industry stakeholders

**Assistance required:** Planning the workshop, recruitment and communications with the participants and facilitating/hosting the workshop (PhD students of Dr. Pow-Seng Yap and colleagues from CEN or Design School, XJTLU)