

Date : 16 April 2022 (Saturday)
Time : 10.00 am to 11.00 am
Venue : Zoom Webinar
Topic : How do Architects use BIM?
Speaker : Ar. Dr. Lim Yaik Wah



LIM YAIK WAH, Ar. Dr.

- Associate Professor (Architecture) at the Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia (UTM)
- Deputy Director of Centre for the Study of Built Environment in the Malay World (KALAM), UTM
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Synopsis

Building Information Modelling (BIM) is more than just a 3D modelling software, but it's new collaborative process in the architecture, engineering, and construction (AEC) industry supported with digital modelling technology. With the applications of 3D to 7D BIM, it can provide a unified platform for all stakeholders in the building industry to work coherently, share information, and communicate with a centralised database.

The building industry generates as much as 30% waste, and construction waste is expected to reach 2.2 billion tons annually worldwide by 2025. With the increase of project complexity and demands nowadays, architects should be equipped with BIM to remain competitive and to deliver quality services. BIM can provide better design outcomes through collaboration, enhanced building performances, faster project delivery, reduced construction waste, and sustainable development.

This talk will focus on the benefits and applications of BIM for architectural practice in Malaysia. It aims to provide a holistic understanding of BIM as a collaborative process and the various BIM solutions available in the practice. It will also include the practical implementations of BIM in building projects with reference to BIM execution plans, case studies and standards so that architects can use BIM effectively throughout different project phases.

Speakers' Biography

Ar. Dr. Lim Yaik Wah is currently an Associate Professor of Architecture at the Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia (UTM), and the Deputy Director of Centre for the Study of Built Environment in the Malay World (KALAM), UTM. He is also the principal of Lim Yaik Wah Architect.

Ar. Dr. Lim obtained Ph.D. (Architecture) in 2011 and his areas of expertise are sustainable architecture, building information modelling (BIM), building performance simulation, and daylighting. He has experience in conducting and leading more than 30 interdisciplinary research and consultancy projects related to BIM and sustainable architecture. He has more than 10 years' experience of teaching BIM and sustainable design. He has also supervised more than 10 Ph.D. and MPhil postgraduates in the field of building science. Besides, he has authored more than 100 publications in leading journals and conferences in the relevant fields which accumulated more than 700 citations. He published his book titled "Tropical daylighting for the working environment" in 2019. He is also a professional Architect, green building consultant, and certified Revit instructor.

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