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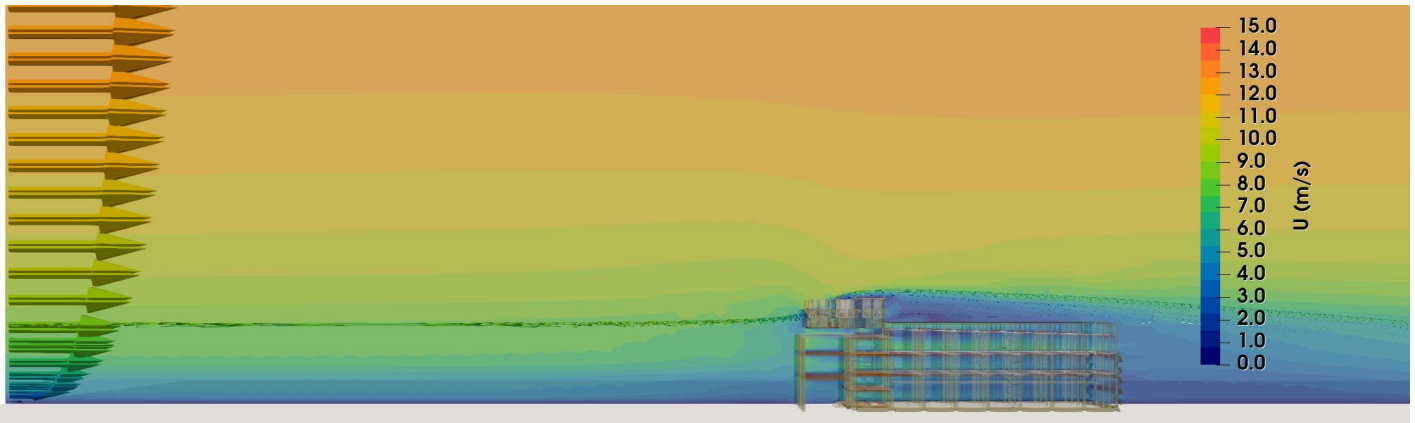


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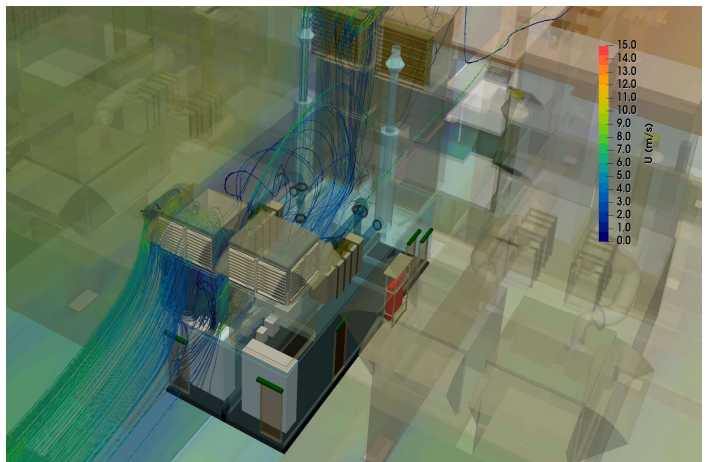


CFD Technical Masterclass:

Designing with Wind: From Natural Ventilation to Rain Resilience — Practical CFD Applications for Airflow, Thermal Comfort and Wind-Driven Rain Assessment



This talk introduces a practical **BIM-centric workflow** for natural ventilation and wind-driven rain studies. Unlike conventional **CAD-centric CFD workflows**, which often involve repeated geometry clean-up, file conversion and manual setup, a BIM-centric approach makes better use of existing building information. Through real project examples, learn how to move faster from **BIM model to simulation results**, reduce repetitive work and improve design productivity



17 Oct 2026 * Saturday
10:00am – 12:00 noon
Platform: ZOOM

Registration: Free

BEM CPD Hours: 2
Ref: IEM26/PG//340/T(w)

Speaker : Dr. Alex Lee

- Managing Director – Tian Building Engineering (S) Pte Ltd
- Co-Founder/Developer of BIM HVACTool
- Former Senior Research Scientist in A-STAR
- Adjunct Associate Professor in School of Building, NUS
- Adjunct Associate Professor in School of Engineering, SiT

