IECBES 2026 Workshop

Workshop 3:

Introduction of the CFD in Engineering Applications

Duration: Full day

Venue: UNiKL, Jalan Sultan Ismail, Kuala Lumpur

Date: 11 Dec 2026
Time: 8.30 am – 5.30 pm
Workshop fee: normal: RM 450 per person

Synopsis:

This intensive one-day Computational Fluid Dynamics (CFD) workshop delivers practical, hands-on training tailored to hemodynamics and biomedical engineering. Participants explore core CFD fundamentals, governing equations, and meshing strategies before completing two clinical case studies: analyzing pulsatile flow and wall shear stress in the carotid artery, and simulating stent deployment to assess post-operative hemodynamic changes. Designed for senior engineering students, researchers, and practicing engineers with a foundational knowledge of fluid mechanics, the program includes troubleshooting sessions and certificate distribution.

Speaker : **Assoc. Prof. Ts. Dr. Ishkrizat Bin Taib**



Assoc. Prof. Ts. Dr. Ishkrizat Bin Taib is an Associate Professor at Universiti Tun Hussein Onn Malaysia (UTHM) and Head of the UTHM-INTEKMA Advanced Industrial Modelling Centre (U&I-AIM). Holding a PhD in Mechanical Engineering from Universiti Teknologi Malaysia, he serves as a Principal Researcher in the Flow Analysis, Simulation, and Turbulence Research Group (FASTREG). Dr. Ishkrizat specializes in advanced Computational Fluid Dynamics (CFD), fluid-structure interaction (FSI), and hemodynamics, with core research focused on cardiovascular stenting devices. His work explores wall shear stress, pulsatile flow, and stent strut configurations in carotid artery pathologies. Combining industrial modeling leadership with extensive university lecturing and engineering consultancy, he provides practical instruction directly bridging fluid mechanics theory with clinical biomedical simulations.

For further information, please contact: info@iecbes.org

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