

Fire Materials & Modelling Group Newsletter (April 2025)

Dr Anthony Chun Yin Yuen co-organized the BS One Day Seminar 2025 with HKIE at PolyU



Dr Anthony Chun Yin Yuen has co-organized and hosted a full-day seminar at the Chiang Chen Studio, PolyU campus, Hong Kong, in partnership with the Hong Kong Institute of Engineers (HKIE). The seminar, entitled "The Endless Journey in Exploring Building Services Development and Sustainability," attracted a total of around 100 participants. In this seminar, Engineers shared their future insights into upcoming technologies and challenges in sustainable energy and building sectors. Prof Shengwei Wang (PolyU BEEE) shared his viewpoints on future developments for energy-flexible buildings in China.

Dr Yuen invited by HKIE for CPD Talk and UNSW Sydney

Dr Anthony Chun Yin Yuen delivered his first HKIE Fire Division talk in 2025 on the topic "Advanced Technologies in Fire Modelling". Dr. Anthony CY Yuen was honored to receive the certificate from Chairman Ir Vong Kai Va recognising his contributions. Additionally, Dr Yuen was invited to Sydney as an UNSW School of MME alumni for the Distinguished Research Seminar. Additionally, Dr Yuen was invited as the keynote speaker for the 1st International Conference on Fire Safety Engineering Research and Practice (iCFSERP-2024) hosted at Western Sydney University.





New PhD Students joining to PolyU Fire Group







Three new PhD students are joining our PolyU Fire Group. Andy Yongxi, WU; Chongmao, MO; and Elowen Chunxiao, LIU. **Andy Yongxi WU** acquired his MSc degree at the University of Hong Kong and is currently working on the fundamental development of electrochemistry CFD models to optimise thermal management and fire safety of battery packs. **Chongmao MO** acquired his Master's degree at Guangdong University of Technology and he is currently working on battery thermal management system designs and optimisation for heat transfer and thermal runaway mitigation. **Chunxiao LIU** acquired her Master's degree from China University of Mining and Technology and is currently working on Coupling Fire and Toxicity Predictions using CFD-MD Simulations for Enhanced Pedestrian Movement Modelling and Fire Resilience Designs of Metro Stations, in partnership with MTR Academy Hong Kong.