

A global safety threat faced by 1 billion people: Informal settlement fire



About the Speaker: Dr Yu WANG is currently a Postdoctoral Fellow at BRE Centre for Fire Safety Engineering, the University of Edinburgh. In 2016, he obtained a double PhD from University of Science and Technology of China and Architecture and City University of Hong Kong. His research and thesis on high-rise building glass façade fire safety have been awarded "American Committee 100 Leadership Scholarship Program", "President Award of Chinese Academy of Sciences (CAS)", "Top 100 Excellent PhD Thesis of CAS", and Springer Theses Award – the "best of the best". Before joining Edinburgh, he worked as a Research Fellow at National University of Singapore. Dr Yu Wang has published 35 SCI-indexed journal papers and received the Best Paper Award from the 2018 Asia-Oceania Symposium on Fire Science and Technology. Currently, his research interests include fire performance of construction materials, informal settlement fire modelling, fire safety issues in green buildings and renewable resources.

Abstract: Approximately one billion people in the world live in informal settlements (slums/shanty towns) with a large potential fire risk, where hundreds, if not thousands, of people are homeless. Thus, it is of great importance to understand the mechanism of informal settlement fire development and spread and improve its resilience to fire. This presentation will highlight the global context of the urban fire problem including those who are most at risk, and then focus on the very recent relevant research on informal settlement fire conducted in South Africa, USA and UK by the presenter and his colleagues.

SFPE CPD Event

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