



Delhi Chapter, Indian National Academy of Engineering (INAE),
Department of Civil Engineering, Indian Institute of Technology (IIT) Delhi,
and
UQ-IITD Research Academy (UQIDRA)

SEMINAR

on

Holistic Fire Safety in Built Infrastructure

Abstract: Fire safety is a subject of significant impact and importance in the built environment. Since the first codes and regulations that deal with fire safety were introduced hundreds of years ago, the discipline has evolved into a proper recognised engineering discipline in many countries. Nevertheless, the context in which fire safety is delivered is constantly changing and with the increasing complexity of our built environment, code-based approaches to fire safety may not provide the level of safety that is expected by society. Recent incidents highlight the negative fire safety outcomes of fires involving timber buildings, as well as combustible cladding and batteries.

This seminar will discuss the role that fire safety has played in the built environment and the importance of a holistic approach to fire safety in today's buildings. Drawing on the results of ongoing research, UQIDRA projects as well as research at the University of Queensland, we will discuss recent developments in structural fire engineering, timber, and façade fire safety and how these can all be integrated into the fire safety strategy of a building.



Dr David Lange is an Associate Professor in Structural and Fire Safety Engineering in the School of Civil Engineering at The University of Queensland (UQ). He is a chartered Fellow of Engineers Australia, a member of the national engineering register in Australia, a registered international Professional Engineer, an APEC engineer, and a registered professional engineer in Queensland. He joined UQ in 2018 after 6.5 years in the research industry sector in Sweden. His research interests include fire safety engineering and resilience of infrastructure and communities - and he has been active in both fields of research for several years, participating in and leading a range of funded projects and other research activities of various scales. His work has had significant impact on fire safety and fire safety engineering in Australia.



14th February 2025 (Friday)
04:30 p.m. (IST) / 09:00 p.m. (AEST)



**Block IV, Room No. 221, Department
of Civil Engineering, IIT Delhi.**

Organiser

Vasant Matsagar

ZOOM LINK TO JOIN ONLINE

<https://tinyurl.com/yd6zc335>

