APPLICATIONS OF STRUCTURAL FIRE ENGINEERING (ASFE’19) conference will be the next in a series of successful ASFE conferences in 2009, 2011, 2013, 2015 and 2017, aiming to bring together international experts and specialists to share research findings and practical experience in the field of fire engineering at Nanyang Technological University (NTU), Singapore. This conference will generally focus on the application of design methods for structures to resist fire, with relevant themes being fire testing, simulation of heat transfer between fire and structures, modelling of structural behaviour at elevated temperatures using numerical methods or software implementations of design codes, case studies showing successful applications of performance-based structural fire safety design, as well as new research studies on the relationship between experimental findings, calculation methods and finite element (FE) simulations. Specifically, ASFE’19 covers the following topics:

- Concrete structures
- Steel structures
- Composite structures
- Timber structures
- Cementitious materials
- Fire protection
- Concrete spalling
- Numerical modeling
- Applications of structural fire engineering
- Standardisation
- Material development

CALL FOR ABSTRACT

The abstract should be written in English and have a length of 200-300 words. Please indicate the title of the paper, the authors, the affiliations, the addresses, and other contact details. The abstract may be submitted via email to ASFE2019@ntu.edu.sg.

Once your abstract is accepted, you are welcome to submit a full paper for the final programme. All the accepted full papers will be published in the conference proceedings. It is our pleasure to announce that the ASFE proceedings are now indexed in SCOPUS, the largest database of peer-reviewed literature.
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WALD, František – Czech Republic
WANG, Yong – UK

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ALI, Faris
BISBY, Luke
BLOCK, Florian
BURGESS, Ian
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LIEW, Jat Yuen Richard
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ABOUT NTU SINGAPORE

As a research-intensive public university, Nanyang Technological University has 33,500 undergraduates and postgraduates in the colleges of Engineering, Science, Business, Humanities, Arts and Social Sciences. NTU is also home to various world-class autonomous institutes and research centers, including the National Institute of Education (NIE) and Nanyang Environment & Water Research Institute (NEWRI). The University’s campus is listed among the Top 15 Most Beautiful University Campuses in the world.

FIRE RESEARCH

Our fire research group at NTU focuses on:

- Performance of structural members in fire
- Post-fire behaviour of structures
- Development of innovative fire-resisting materials
- FE simulations of fire performance of structures and heat transfer analysis
- Modelling of building evacuation in case of fire

The testing facilities at NTU are suitable for structural member (e.g., column, beam and slab) and joint testing as well as cruciform testing at elevated temperatures and after fire.

ATTRCTIONS IN SINGAPORE

Singapore offers more than just high-end shopping malls, luxury hotels, and fine dining (though it’s worth indulging in those a bit if you can). There is also a vibrant history and diverse ethnic quarters to discover, along with many family-friendly attractions and lovely public spaces that make visiting this slightly futuristic city worthwhile.