

Call for Papers



Int. J. of Lifecycle Performance Engineering (IJLCPE)

PSH 2018: Special Issue on: "Resilient Structures against Man-made or Natural Hazards: Advanced Materials and Techniques"

Guest Editors:

Prof. Tuan Ngo, University of Melbourne, Australia

Dr. Thong Pham, Curtin University, Australia

An inadequate provision of knowledge on the behaviours and performance of structures/components against hazardous loads caused by humans or nature may result in catastrophic consequences on human life and structural systems. The experience and knowledge gained from extensive research, experimental testing and advanced computational techniques can afford a feasible solution to diminish these catastrophic consequences. Thus, this special issue aims to provide a forum for participants from around the world to review, discuss and present the latest developments in the protection of structures subjected to hazardous loads.

Special topics on the protection of building structures, infrastructure systems, components and human life from man-made hazards such as impact loads, blast loads, chemical explosions, fires or terrorist attacks, etc., or from natural hazards such as earthquakes, wind storms, floods, corrosion and natural degradation, landslides, ground subsidence, etc. are welcome.

The Guest Editors will be inviting substantially extended versions of selected papers presented at the [7th International Conference on Protection of Structures against Hazards \(PSH2018\)](#) for review and potential publication, but are also inviting other experts to submit articles for this call.

Subject Coverage

Suitable topics include, but are not limited, to the following:

- Impact and shock
- Blast effects on structures
- Fire protection
- Protection against structural collapse
- Advanced materials for protective technologies
- Corrosion and ageing infrastructure
- Vibrations
- Ground subsidence
- Hazards and protection of critical infrastructure (dams, bridges, tunnels, etc.)
- Earthquake engineering
- Wind effects on structure
- Advanced construction and monitoring technologies for resilient infrastructure
- Mitigation (preventive measures)
- Rescue, safety and evacuation technologies
- Risk and reliability
- Disaster prevention

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers *must* be submitted online. To submit a paper, please read our [Submitting articles](#) page.

Important Dates

Manuscripts due by: *30 January, 2019*

Notification to authors: *30 March, 2019*

Final versions due by: *30 May, 2019*