

1. Performance of structures

- Under impact loading, blast and explosive loading, fire, and seismic loading

2. Strengthening of structures for extreme loading

- Assessment of structural condition
- Non-Destructive Testing (NDT)
- Coatings and surface treatments
- Strengthening and repair methods
- Retrofitting for seismic loading
- Fire protection

3. Performance of materials under extreme loading

- Constitutive response under high strain-rates
- Influence of low and high temperatures (fire)
- Cyclic and other dynamic loading
- Testing methods, standardization and performance criteria

4. Structural management and protection

- Protection concepts and design
- Sensor development and signal processing
- Structural health monitoring (SHM) and sensing
- Data analytics and big-data, applied to SHM
- Machine learning and active controls
- Cyber-physical interfaces
- Early warning systems

5. Progressive collapse of structures

- Experimental analysis of structures under blast-induced collapse
- Numerical investigation on collapse of structures under blast or other extreme events
- Theoretical analysis method for progressive collapse of structures
- Risk assessment method for progressive collapse

REGISTRATION & FEES (USD)

Registration will be available online through the conference website.

	General	Author	Student
Before May 16, 2024	\$750	\$650	\$300
After May 16, 2024	\$900	\$800	\$450



Register your interest here

PROTECT 2024

CALL FOR ABSTRACTS

9<sup>th</sup> International Colloquium on  
Performance, Protection &  
Strengthening of Structures  
Under Extreme Loading & Events

15 – 16 Aug 2024, Singapore

The PROTECT 2024 Steering Committee cordially invites you to the Ninth International Colloquium on Performance, Protection and Strengthening of Structures under Extreme Loading and Events.

PROTECT 2024 will bring together academics, industry personnel and practitioners from around the world to deliberate on the most up-to-date international research findings in this rapidly advancing field.

The primary objection of PROTECT 2024 is to provide a platform for students, faculty, producers, designers, builders and consultants to acquaint themselves with cutting-edge research. The ultimate aim of PROTECT 2024 is to enable cross-fertilization of ideas such that our structures become safer under extreme loading and events.

KEY DEADLINES

- Submission of 200-word abstracts: 15 October 2023
- Acceptance notification to authors: 1 December 2023
- Submission of full draft manuscripts: 15 January 2024
- Acceptance notification to authors: 30 April 2024
- Submission of final manuscripts: 15 June 2024

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