

# DESIGN AND ANALYSIS OF STRUCTURES TO RESIST DISPROPORTIONATE COLLAPSE

## DESIGN AND ANALYSIS OF PROTECTIVE STRUCTURES (DAPS2015)

Post Conference Workshop

22<sup>nd</sup> May 2015, 9am – 5pm

### WORKSHOP SYNOPSIS:

The course covers development and application of disproportionate collapse design requirements, including direct and indirect design procedures, in the US and world-wide. A summary of international design requirements will be presented. Examples incorporating alternative load path analysis, tie forces and specific local resistance will be discussed. A brief overview of ongoing research and future needs for disproportionate collapse design will be discussed.

The course aimed to educate the participants regarding the current state-of-the-art for the design and analysis of structures to resist disproportionate collapse, through review of design principles, presentation of example problems, and discussion of current topics.

### COURSE PROGRAMME:

TIME	TOPIC
8.30am – 9.00am	Registration
9.00am – 12.00pm	<ul style="list-style-type: none"><li>Disproportionate Collapse</li><li>Design Approaches for Resisting Disproportionate Collapse (Direct and Indirect)</li><li>International Design Requirements</li></ul>
12.00pm – 1.00pm	Lunch
1.00pm – 5.00pm	<ul style="list-style-type: none"><li>Design Examples (Alternative Load Path, Tie Forces and Specific Local Resistance)</li><li>Costs of Implementing Disproportionate Collapse Design</li><li>Design Strategies Resisting Disproportionate Collapse</li><li>Ongoing Research for Disproportionate Collapse and Future Needs</li><li>Summary, Q&amp;A</li></ul>

Organised By:



1 Liang Seah Street #02-11 Liang Seah Place Singapore 189022

Tel: +65 6336 2328 Fax: +65 6336 2583

Email: [daps2015@cma.sg](mailto:daps2015@cma.sg) Website: [www.daps2015.org](http://www.daps2015.org)



**Dr. David J. Stevens**

•Senior Principal at Protection Engineering Consultants

•Primary author of the Department of Defense Unified Facilities Criteria 04-023-03 Design of Buildings to Resist Progressive Collapse



**Dr. Eric B. Williamson**

•Professor in University of Texas at Austin, Department of Civil, Architectural, and Environmental Engineering

•Holder of the J. Hugh and Betty Liedtke Centennial Fellowship in Engineering

### COURSE FEE:

Conference Delegates @

**\$350.00**

Non-Conference Delegates @

**\$450.00**



**DAPS2015 Secretariat**