

## 13 August 2024, Tuesday

1130	<b>Reception and Registration</b>
<b>Location : Ballroom 1</b>	
1330	<b>Word of Welcome - Prof Tan Kang Hai</b>
1350	<b>Opening Remarks - Prof Nemkumar Banthia</b>
<b>Chairperson : Prof Nemkumar Banthia</b>	
1400	Plenary Session Improvement of fire resistance of concrete & CFST columns  Prof Wu Bo
1430	Plenary Session Modern experiments exploring advancements in protective structures engineering  Prof Piotr Sielicki
1500	Tea Break
<b>Location : Ballroom 1</b>	
<b>Session 1_ Strengthening of structures for extreme loading (I)</b>	
<b>Chairpersons : Dr Tat Seng Lok and Prof Weifeng Yuan</b>	
1530	INVESTIGATION ON POST-FIRE OVERALL STABILITY OF AXIALLY COMPRESSED AND AXIALLY RESTRAINED Q690 HIGH STRENGTH STRUCTURAL STEEL COLUMNS  <u>Lin-Xin Song</u> , Guo-Qiang Li, Y C Wang
1545	REINFORCING EFFECT OF TRANSPARENT POLYUREA RESIN COATING ON RC BEAM SUBJECTED TO IMPACT LOADING  Hiroki Tamai, <u>Murat Hosoglu</u> , Yoshimi Sonoda
1600	RESISTANCE OF COMPOSITE BEAM WITH VARIOUS TYPES OF CONNECTIONS UNDER MIDSPAN IMPACT SCENARIOS  Wenbing Han, <u>Kang Chen</u> , Daming Wang, Bo Yang
1615	RESPONSE OF CONTINUOUS RC BEAMS STRENGTHENED USING STRAIN-HARDENING CEMENTITIOUS COMPOSITES  Ahmed Almaadawy, <u>Srishti Banerji</u> , Ghada M. Hekal, Magdy I. Salama
1630	CASE STUDIES OF POST-FIRE RESISTANCE CALCULATION AND STRENGTHENING OF REINFORCED CONCRETE COLUMNS  <u>Tuan-Trung Nguyen</u> , Xuan-Dat Pham, Anh-Tuan Pham, Thi-Nguyet-Hang Nguyen, Manh-Ha Tran, Van-Hung Nguyen, Tuan-Ninh Nguyen, Truong-Thang Nguyen
1645	PHYSICS-ENHANCED MACHINE LEARNING-BASED OPTIMIZATION OF TUNED MASS DAMPER PARAMETERS FOR SEISMICALLY-EXCITED BUILDINGS  <u>Ying Lei</u>
1700	WHAT MATERIAL STRAIN RATES ARE IMPOSED DURING EARTHQUAKES IN SEISMICALLY RETROFITTED MASONRY WALLS ?  <u>Salman Soleimani-Dashtaki</u> , Doo-Yeol Yoo, Nemkumar Banthia, Carlos E. Ventura
1715	FATIGUE ISSUES OF BFRP PROTECTIVE DOOR IN METRO TUNNEL SUBJECTED TO TRAIN-INDUCED WIND PRESSURE  <u>Jialu Ma</u> , Wuhan Li, Zhenxing Zhang
1730	PERFORMANCE OF REINFORCEMENT DETAILS OF 90° RC FRAME CORNERS SUBJECTED TO OPENING BENDING MOMENTS IN PROTECTIVE STRUCTURES  <u>Fabio Brantschen</u> , Duarte M. Viula Faria, Miguel Fernández Ruiz
1745	End