



PROGRAM

14 October 2025, Tuesday, Istanbul Marriott Hotel Asia

13:30-17:00 ECCS TMB Meeting (Members only)

15 October 2025, Wednesday, Istanbul Marriott Hotel Asia

09:00-12:30 ECCS PMB Meeting (Members only)

12:30-13:30 *Lunch break*

13:30-17:00 ECCS TMB-PMB Joint Meeting (Members only)

19:30 ECCS Presidents & Directors Dinner

16 October 2025, Thursday, Yeditepe University, Fine Art Faculty (GSF) Building

09:00-10:15 ECCS TC13 Seismic Design Technical Committee Meeting (Members only), *Room: 4E05*

09:00-13:00 ECCS Executive Board (EB) & Annual General Meeting (AGM) (Members only),
Room: 4E06

13.00-14:00 *Lunch break*

09:30-10:15 Registration for Workshop

10:15-10:45 Opening Remarks & Description of workshop procedure
8th Floor Conference Hall

10:45-13:15 Workshop (Group works)

Group-1: Regulations, Licensing and Responsibility

Group-2: Structural steel solution alternatives, advantages, and challenges for new structures (residential, commercial, public structures, and infrastructures)

Group-3: Post-Earthquake Damage Assessment and Repair Criteria and Applications for Steel Structures,

Group-4: Steel Solutions for Retrofitting of Existing Structures

Group-5: Solution Technologies for New Structures and Strengthening (Seismic isolators, buckling restrained braces (BRB), fire safety, corrosion, monitoring, etc.)

13.15-13:45 *Quick lunch break (in place)*

13:45-14:45 Workshop (Group works)

14:45-16:00 Workshop (Plenary session)

16:00-16:30 *Coffee break*

16:30-18:00 13th European Steel Design Awards (ESDA 2025)
[8th Floor Conference Hall]

19:30 Gala Dinner and 70th Anniversary of ECCS *[Radisson Blu Hotel]*

17 October 2025, Friday, Yeditepe University, Fine Art Faculty (GSF) Building

08:30-09:00 Registration

09:00-09:30 Opening Remarks (TUCSA, ECCS, Yeditepe)

09:30-10:30 **Session-1** Key-note Speakers (**Chair:** Assist.Prof.Dr. Özgür KÖYLÜOĞLU)

09:30-10:00 Steel Moment-Resisting Frame Structures in Seismic Regions: Bridging Research and Codes

Prof. Dr. R. LANDOLFO, University of Naples Federico II, Italy

10:00-10:30 *Redefining Seismic Resilience in Cold-Formed Steel: Insights from the CFS-NHERI Program and CFS10 Testing, (B.W. Schafer and T.C. Hutchinson)*

Prof. Dr. B. SCHAFER, Johns Hopkins University, Whiting School of Engineering, USA

10:30-10:45 *Coffee break*

- 10:45-11:45 **Session-2** Seismic Design of Conventional & Composite Steel Structures, and Retrofit, Strengthening, Post-disaster Assessment of Structures
(**Chairs:** Dr. İbrahim KORKUT, Assist. Prof. Dr. Almıla UZEL)
- 10:45-11:00 *SDSR-121: Impact of Turkish Seismic Steel Design Code Evolution on Braced Frame Connection Detailing: A Comparative Study of Two Similar Industrial Buildings (Efe Ş. ÖLGÜN, Onur G. SOYLU, İbrahim KORKUT)*
- 11:00-11:15 *SDSR-114: Earthquake Resistant Steel Structure Design and Retrofitting of Existing Steel Structures with Applied Examples (Sezai GÜVENSOY)*
- 11:15-11:30 *SDSR-120: Seismic Response of Industrial Steel Structures Retrofitted for Blast Resistance: A Comparative Study of Retrofitting Methods (Hasan AVCI, Ali SARI)*
- 11:30-11:45 *SDSR-113: Contribution to earthquake performance and sustainability when steel members are placed in vertical structural elements of reinforced concrete structures (Selçuk İZ, Burak İZ)*
- 11:45-12:00 *Coffee break*
- 12:00-13:15 **Session-3** Technologies for Seismic Design and Monitoring (**Chair:** Assoc.Prof. Dr. Onur ŞEKER)
- 12:00-12:15 *Case study 1: A Pioneer Modular Steel Residential Building in Türkiye (Orhun ŞİMŞEK)*
- 12:15-12:30 *Case study 2: Local Strengthening via Steel Haunches (Mustafa GÜVERCİN)*
- 12:30-12:45 *SDSR-110: A Replaceable Plastic Hinge Cell for Beam to Column Connections (Sadun TANIŞER, Haluk SUCUOĞLU, Cem TOPKAYA, Salim AZAK)*
- 12:45-13:00 *SDSR-111: Seismic Performance of T-BRBs under Sub-assembly Tests (Sadun TANIŞER, Uğurcan ÖZÇAMUR, Mehmet B. BOZKURT)*
- 13:00-13:15 *SDSR-124: Innovative Hybrid Viscoelastic Dampers Integrated with Steel Plate Shear Walls for Enhanced Seismic Resilience in High-Rise Structures (Ragab G. TOHAMY, Barlas Özden ÇAĞLAYAN)*
- 13:15-13:30 *SDSR-123: Seismic Evaluation of Chevron Buckling-Restrained Braced Frames under Kahramanmaraş Earthquake Series (Fatma Esra UZ, Barış SERİN, Mehmet B. BOZKURT)*
- 13:30-14:30 *Lunch break*
- 14:30-15:30 **Session-4** Key-note Speakers (**Chair:** Assoc.Prof.Dr. Cüneyt VATANSEVER)
- 14:30-15:00 *Collective Mind Antakya- Civil Initiative*
Prof. Dr. Ece CEYLAN BABA – Architect Şerif SÜVEYDAN, Türkiye
- 15:00-15:30 *Data Driven Techniques in Seismic Design and Assessment*
Assoc. Prof. Dr. Alper KANYILMAZ, Politecnico di Milano, Italy
- 15:30-15:45 *Coffee break*
- 15:45-16:30 **Session-5** Design of Cold-formed Steel Structures (**Chair:** Prof.Dr. Oğuz Cem ÇELİK)
- 15:45-16:00 *SDSR-101: Optimization Framework for Built-Up CFS Sigma Sections: Enhancing Flexural and Compressive Capacities with PSO and EC3 Compliance (Aref BADALI, Fatih ALEMDAR, Zeynep Fırat ALEMDAR, Elif AYDIN, Fuad M. AIGAADI, Sena KAPICIOĞLU, Nefya SOYSAL, Houssein ALEIT)*
- 16:00-16:15 *SDSR-107: Machine Learning-Driven Failure Mode Classification for Cold-Formed Steel Built-Up Beams Subjected to Static Loading (Houssein ALEIT, Fatih ALEMDAR, Zeynep Fırat ALEMDAR, Sena KAPICIOĞLU, Fuad M. AIGAADI, Elif AYDIN, Nefya SOYSAL, Aref BADALI)*
- 16:15-16:30 *SDSR-109: Experimental Investigation of Tensile and Fatigue Behavior of Screwed Connections in Cold-Formed Steel Structures (Nefya SOYSAL, Fatih ALEMDAR, Zeynep Fırat ALEMDAR, Elif AYDIN, Fuad M. AIGAADI, Sena KAPICIOĞLU, Aref BADALI, Houssein ALEIT)*
- 16:30-16:45 *Coffee break*
- 16:45-18:00 **Session-6** Innovative Seismic Applications from Türkiye & Additional Design Considerations (**Chair:** Assoc.Prof.Dr. Fatih ALEMDAR)
- 16:45-17:00 *Case study 3: Seismic Base Isolation & BRB Applications (TIS Engineering)*
- 17:00-17:15 *Case study 4: Strengthening of Shearwalls for Concrete Crushing due to Applied Shear using Steel Plates (2M Engineering)*
- 17:15-17:30 *Case study 5: Non-destructive Assembly Applications of Cold-formed Steel Structural Panels (Hafez KEYPOUR, Alp METOZADE)*
- 17:30-17:45 *SDSR-122: Optimizing Buckling Resistance in Steel Tubular Towers Using Stiffeners (Halil ZEYREK, Fatih ALEMDAR)*
- 17:45-18:00 *SDSR-112: A Method for Detecting Geometry Deviations Caused by Welding During the Production of Welded Steel Members (Selçuk İZ, Burak İZ)*
- 18:00-18:10 *Closing Remarks, H. Yener GÜR'EŞ, President of TUCSA*