

LOCAL ORGANISING COMMITTEE

Politehnica University of Timisoara, Romania
Romanian Academy, Timisoara Branch

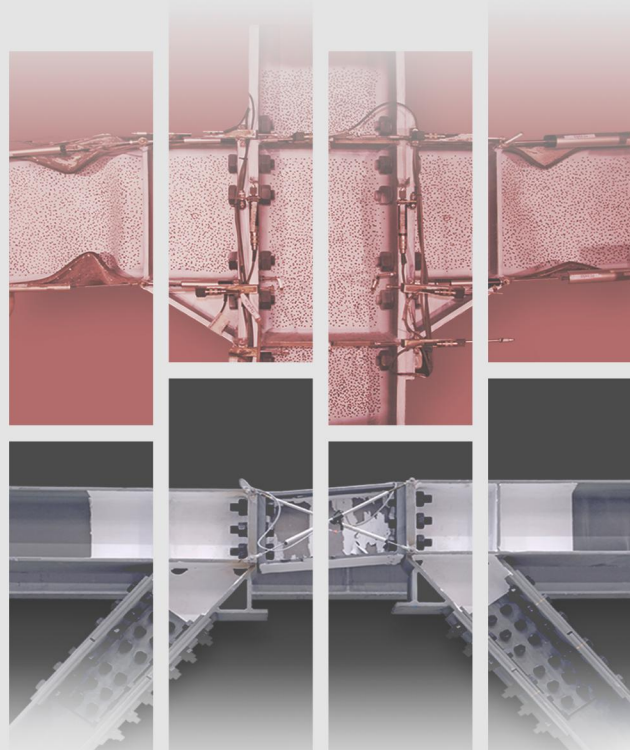
DIRECTOR: Daniel Grecea

MEMBERS:

Ioan Both	Calin Neagu
Adrian Ciutina	Dan Pintea
Florea Dinu	Anna Prodan
Adrian Dogariu	Viorel Ungureanu
Ioan Marginean	Raul Zaharia

SCIENTIFIC SECRETARIAT

Adriana Chesoa, Politehnica University of Timisoara, Romania
Mario D'Aniello, University of Naples "Federico II", Italy
Beatrice Faggiano, University of Naples "Federico II", Italy
Aurel Stratan, Politehnica University of Timisoara, Romania



CALL FOR ABSTRACTS

You are cordially invited to submit an abstract through the conference website www.ct.upt.ro/stessa2021/. It should state clearly the objectives and the content of the paper. Papers will be peer-reviewed by the scientific committee and considered for oral presentations and poster sessions. Abstracts, full papers and presentations at the conference should be in English, which is the official language of the conference.

PROCEEDINGS

Extended abstracts will be published in a hardcopy volume, while full papers will be indexed in an open-access online repository.

IMPORTANT DATES

Abstract submission opens	1 April 2020
Abstract submission closes	31 May 2020
Decisions on abstracts	30 June 2020
Full paper submission	31 October 2020
Decisions on full papers	31 January 2021
Registration opens	1 February 2021
Final papers submission	28 February 2021
Conference begins	26 May 2021

CONTACT AND INFORMATION

For general information please contact the following email address: stessa2021@upt.ro. Additional information is available on the conference website: www.ct.upt.ro/stessa2021/.



THE 10TH INTERNATIONAL CONFERENCE ON THE BEHAVIOUR OF STEEL STRUCTURES IN SEISMIC AREAS

TIMISOARA, ROMANIA, 26-28 MAY 2021



ORGANIZED BY:

Politehnica University of Timisoara, Romania
Romanian Academy, Timisoara Branch, Romania
University of Naples "Federico II", Italy



THE CONFERENCE

STESSA is the specialty conference on seismic design and performance of steel structures. Its main mission is to provide an international forum for researchers and engineers to share with their peers the latest developments in the field of seismic behaviour of steel structures. Previous editions of STESSA were held in Timisoara (Romania, 1994), Kyoto (Japan, 1997), Montreal (Canada, 2000), Naples (Italy, 2003), Yokohama (Japan, 2006), Philadelphia (United States, 2009), Santiago (Chile, 2012), Shanghai (China, 2015) and Christchurch (New Zealand, 2018). The 10th anniversary edition of the STESSA conference returns to Timisoara, the city where it started, as a tribute to Victor Gioncu, who came with the idea of initiating the series of conferences dedicated to the behaviour of steel structures in seismic areas.

TOPICS

- Performance based design
- Behaviour of structural members
- Behaviour of connections
- Performance of structural systems
- Mixed and composite structures
- Energy dissipation systems
- Self-centring and low damage systems
- Buckling restrained braces
- Case studies and field observations
- Assessment and retrofitting
- Codes and standards
- Seismic resilience
- Light-gauge systems
- Performance of non-structural components

VENUE

The conference will be held in the Central Library of the Politehnica University of Timisoara, Romania. The charm of Timisoara lies in its distinct architectural character and vibrant cultural life. The city is home to year-round musical and theatrical performances, art galleries, museums and a buzzing nightlife. Take the opportunity to visit Timisoara in 2021 when it will host the European Capital of Culture.

CHAIRMAN

Federico M. Mazzolani
Professor Emeritus
University of Naples "Federico II"
Italy

CO-CHAIRMAN

Dan Dubina
Academician
Politehnica University of Timisoara
Romanian Academy, Timisoara Branch
Romania

KEYNOTE SPEAKERS

Abolhassam Astaneh-Asl, University of California, USA
Dan M. Frangopol, Lehigh University, USA
Guo Qiang Li, Tongji University, China
Federico M. Mazzolani, University of Naples "Federico II", Italy
Masayoshi Nakashima, Kyoto University, Japan
James M. Ricles, Lehigh University, USA
Akira Wada, Tokyo Institute of Technology, Japan

INTERNATIONAL SCIENTIFIC COMMITTEE

Giuseppe Brando, University of Chieti-Pescara, Italy
Michel Bruneau, University at Buffalo, USA
Luis Calado, Instituto Superior Tecnico, Portugal
Jose Miguel Castro, University of Porto, Portugal
Su-Wen Chen, Tongji University, China
Mario D'Aniello, University of Naples "Federico II", Italy
Gianfranco De Matteis, "Vanvitelli" University of Campania, Italy
Hervee Degee, University of Hasselt, Belgium
Gaetano Della Corte, University of Naples "Federico II", Italy
Florea Dinu, Politehnica University of Timisoara, Romania
Evangelos Efthymiou, Aristotle University of Thessaloniki, Greece
Amr Elnashai, University of Houston, USA
Beatrice Faggiano, University of Naples "Federico II", Italy
Larry Fahnestock, University of Illinois at Urbana-Champaign, USA
Luigi Fiorino, University of Naples "Federico II", Italy
Antonio Formisano, University of Naples "Federico II", Italy
Daniel Grecea, Politehnica University of Timisoara, Romania
Ricardo Herrera, University of Chile, Chile
Benno Hoffmeister, RWTH Aachen, Germany
Theodore L. Karavasilis, University of Patras, Greece
Raffaele Landolfo, University of Naples "Federico II", Italy
Massimo Latour, University of Salerno, Italy
Dimitrios Lignos, École polytechnique fédérale de Lausanne, Switzerland
Gregory MacRae, University of Canterbury, New Zealand
Edoardo Marino, University of Catania, Italy
Elena Mele, University of Naples "Federico II", Italy
Rosario Montuori, University of Salerno, Italy
Marius Mosoarca, Politehnica University of Timisoara, Romania
Masayoshi Nakashima, Kyoto University, Japan
Elide Nastri, University of Salerno, Italy
Vincenzo Piluso, University of Salerno, Italy
Andre Plumier, University of Liege, Belgium
Gian A. Rassati, University of Cincinnati, USA
Alireza Rezaeian, The Iranian Society of Steel Structures, Iran
James M. Ricles, Lehigh University, USA

Dipti Ranjan Sahoo, Indian Institute of Technology Delhi, India
Bogdan Stefanescu, Technical University of Civil Engineering of Bucharest, Romania
Bozidar Stojadinovic, ETH Zürich, Switzerland
Aurel Stratan, Politehnica University of Timisoara, Romania
Toru Takeuchi, Tokyo Institute of Technology, Japan
Robert Tremblay, Ecole Polytechnique of Montreal, Canada
Cüneyt Vatansever, Istanbul Technical University, Turkey
Ioannis Vayas, National Technical University of Athens, Greece
Laszlo Gergely Vigh, Budapest University of Technology and Economics, Hungary
Akira Wada, Tokyo Institute of Technology, Japan

INTERNATIONAL ADVISORY COMMITTEE

Christoph Adam, University of Innsbruck, Austria
Carlos Aguirre, Federico Santa Maria Technical University, Chile
Claudio Amadio, University of Trieste, Italy
Abolhassam Astaneh-asl, University of California, USA
Gustavo Ayala, National Autonomous University of Mexico, Mexico
Dimitri Beskos, University of Patras, Greece
Teodora Bogdan, ArcelorMittal, Luxembourg
Yi-Yi Chen, Tongji University, China
Constantin Christopoulos, University of Toronto, Canada
Charles Clifton, University of Auckland, New Zealand
Luis da Silva, University of Coimbra, Portugal
Daniel Dan, Politehnica University of Timisoara, Romania
Attilio De Martino, University of Naples "Federico II", Italy
Ahmed Elghazouli, Imperial College, UK
Michael Engelhardt, University of Texas at Austin, USA
Masanori Fujita, Kanagawa University, Japan
Askar Altay Gulay, Bogazici University, Turkey
Jerome Hajjar, Northeastern University, USA
Mohammed Hjiab, INSA Rennes, France
Mamoru Iwata, Kanagawa University, Japan
Kazuhiko Kasai, Tokyo Institute of Technology, Japan
Helmuth Kober, Technical University of Civil Engineering of Bucharest, Romania
Roberto Leon, Georgia Institute of Technology, USA
Guo-Qiang Li, Tongji University, China
Francisco Lopez Almansa, Polytechnic University of Catalonia, Spain
Alberto Mandara, "Vanvitelli" University of Campania, Italy
Gianvittorio Rizzano, University of Salerno, Italy
Pedro Rojas, Escuela Superior Politecnica del Litoral, Ecuador
Rodolfo Saragoni, University of Chile, Chile
Richard Sause, Lehigh University, USA
James Swanson, University of Cincinnati, USA
Motohide Tada, Osaka University, Japan
Lucia Tirca, Concordia University, Canada
Keh-Chyuan Tsai, National Taiwan University, Taiwan, China
Radu Vacareanu, Technical University of Civil Engineering of Bucharest, Romania
Dimitrios Vamvatsikos, National Technical University of Athens, Greece
Satoshi Yamada, Tokyo Institute of Technology, Japan
Riccardo Zandonini, University of Trento, Italy