



The International Colloquium on Stability and Ductility of Steel Structures – SDSS 2016

30 May – 01 June 2016, Timisoara, Romania

www.ct.upt.ro/sdss2016.htm

First Announcement



*Main building of PU Timisoara
(the former Lloyd Palace)*

Organised by,

Politehnica University of Timisoara
Department of Steel Structures and Structural Mechanics



in cooperation with



Romanian Academy, Timisoara Branch

SCOPE AND OBJECTIVE

The series of International Colloquia on Stability and Ductility of Steel Structures have been supported by the Structural Stability Research Council (SSRC) for quite a long time and are intended to summarize the progress in theoretical, numerical and experimental research in the field of stability and ductility of steel and composite steel-concrete structures. Special emphasis is always given to new concepts and procedures concerning the analysis and design of steel structures and to the background, development and application of rules and recommendations either appearing in recently published Codes or Specifications or about to be included in their upcoming versions. This International Colloquium series started in 1972, in Paris, and their subsequent editions traveled in several different cities and countries, the last four being held in: Timisoara, Romania (1999), Budapest, Hungary (2002), Lisbon, Portugal (2006) and Rio de Janeiro, Brazil (2010).

In October 1982, the Department of Steel Structures and Structural Mechanics of Politehnica University of Timisoara has organized one of the East-European Session of the SSRC International Colloquium on Stability of Steel Structures. Since 1992, two series of worldwide recognised scientific events have started from Timisoara, i.e.: CIMS conferences dedicated to Coupled Instability in Steel Structures and, in 1994, the series of STESSA conferences dedicated to Steel Structures in Seismic Areas. Moreover, in 1999 the Department organized the SDSS conference, within the SSRC series dedicated to the Stability and Ductility of Steel Structures. The 6th edition of International Conference on Thin-walled Structures - ICTWS' 2011, was also organized in Timisoara, Romania, in 5-7 September 2011.

The 2016 edition of SDSS is jointly organized by the *Politehnica University of Timisoara, Department of Steel Structures and Structural Mechanics* in co-operation with *Romanian Academy, Timisoara Branch*, with the support of *European Convention of Constructional Steelwork (ECCS)*, through *Structural Stability Technical Committee (TC8)*, and by *SSRC*.

CONFERENCE MAIN TOPICS

The topics to be addressed during the Colloquium include, among others:

- Advanced structural analysis
- Bridges and footbridges
- Cold-formed members
- Connections
- Cyclic and blast loading
- Damage repair and assessment of steel structures
- Design codes and standards
- Dynamic behavior and analysis
- Fatigue and fracture mechanics
- Fire engineering
- Frames

Charming old Theresia fortress

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- High strength & stainless steel
 - Innovative structural designs and applications
 - Lightweight aluminium structures
 - Lightweight fibre reinforced plastic composite structures
 - Members' behavior: tension, compression, beams, beam-columns
 - Off-shore structures
 - Plate, shell and space structures
 - Seismic-resistant structures
 - Reliability and safety
 - Robustness
 - Ship structures
 - Steel-concrete composite members and structures
 - Thin-walled construction
 - Trusses, towers and masts
 - Tubular construction
 - Vehicle structures

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LANGUAGE

English will be the official language for both oral and printed contributions.

PROCEEDINGS

Authors are invited to submit 200-300 words abstracts of papers on the topics listed above between now and the deadline given below. The abstracts should clearly highlight the aims and conclusions of the respective studies. Both abstracts and full papers will be reviewed by outstanding experts in the field and the procedure will conform to the standards required for peer-reviewed conference papers. All accepted papers will be presented during working sessions. Oral presentation is the unavoidable condition for the publication of a paper in the Proceedings. The Proceedings will be published in an outstanding publishing house. The publication of an international journal special issue is also being considered - it would include full-length versions of selected papers presented at the Colloquium.

KEY DATES

Abstract submission:	15 April 2015
Acceptance of Abstracts:	01 June 2015
Submission of Full Papers for Review:	01 October 2015
Acceptance of Papers:	15 December 2015
Submission of Final Papers:	15 January 2016
SDSS 2016:	30 May – 01 June 2016

CITY OF TIMIȘOARA

The oldest settlements in Timisoara area are more than 7500 years old.

The first documentary evidence of Timisoara dates from 1212, under the name of "Castrum of Tymes" (Timis fortress). The first stone fortress was built between 1307 and 1315 on the orders of Hungarian king, Carol Robert, Prince of Anjou. In 1552 Timisoara fortress was conquered by the Ottoman army and the whole surrounding area was transformed into an Ottoman province. On 1716, the Austrian Habsburg troops led by Prince Eugene of Savoya have liberated the city which later became a free imperial city in December 1781. In 1918, in accordance with the Versailles peace treaty, the Timisoara City and Banat Province became part of Romania. In the 20th century Timisoara became a metropolis with more than 400000 inhabitants that concentrate the economical, commercial, demographic and cultural interest of a large area, in this part of Romania.

On December 16th 1989 Timisoara was the place where the anti-Communist revolution started.

CONTACTS

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*"She-wolf" ("Lupoaică", "Romulus and Remus")
1926, town symbol*