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

Second Announcement

Organised by,
Politehnica University of Timisoara
Department of Steel Structures and Structural Mechanics

in cooperation with
Romanian Academy, Timisoara Brach

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

COLLOQUIUM 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
- 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

Charming old Theresia fortress
INTERNATIONAL SCIENTIFIC COMMITTEE

G.A. Altay  Turkey  R. Leon  USA
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G. Garcea  Italy  R. Tremblay  Canada
P. Gonçalves  Brazil  D. Ungermann  Germany
F. Guarracino  Italy  H. Unterweger  Austria
J. Hajjar  USA  B. Uy  Australia
G.J. Hancock  Australia  I. Vayas  Greece
M. Heinisuo  Finland  M. Veljkovic  Sweden
M. Hijaj  France  P. Vellasco  Brazil
B. Izzuddin  UK  P. Vila Real  Portugal
M. Iwata  Japan  A. Wada  Japan
J.P. Jaspart  Belgium  F. Wald  Czech Republic
K. Kasai  Japan  N. Yardimci  Turkey
A. Kawano  Japan  B. Young  Hong Kong, China
Z. Kolakowski  Poland  R. Zandonini  Italy
M. Kotelko  Poland  B. Zhao  France
U. Kuhlman  Germany  R. Ziemian  USA
D. Lam  UK  A. Zingoni  South Africa
R. Landolfo  Italy  Y.B. Yang  Taiwan, China

LOCAL ORGANIZING COMMITTEE

I. Both, Romania  M. Georgescu, Romania  A. Stratan, Romania
A. Ciutila, Romania  D. Grecea, Romania  R. Szabo
A. Crişan, Romania  C. Neagu, Romania  C. Vulcu, Romania
A. Dogariu, Romania  D. Pintea, Romania  R. Zaharia, Romania
COLLOQUIUM VENUE AND ACCOMMODATION

The SDSS 2016 Colloquium will be held in Timisoara, within the Politehnica University area, in the very centre of the city. A list of hotels in the centre area of the city will be available soon.

TECHNICAL SESSIONS

Based on 150 papers sent to peer-review, by authors from 28 countries on 6 continents, sent to SDSS 2016 Local Organising Committee, the Technical Sessions will be organised following the Conference topics and the subjects of the accepted papers.

Keynote Lectures

According to the conference topics, outstanding experts in the field, from Asia, Australia and Europe have been invited to present Keynote Lectures in the opening of the Technical Sessions. They are presented in the following alphabetical list:

Professor Siu-Lai Chan, China
Research, theory and practice of second order direct analysis for design of steel and composite structures

Professor Ulrike Kuhlmann, Germany
Further development of Eurocode 3. Design of steel structures – Improvements and harmonisation

Professor Kim Rasmussen, Australia
Structural stability and ductility of drive-in racks under seismic loading

Professor Ioannis Vayas, Greece
Models for stability analysis and design of steel and composite plate girders

FORMAT

The technical program of the Conference will consist in Plenary Sessions for Keynote Lectures and Working Sessions corresponding to the related topic, introduced by a Chairman.

LANGUAGE

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

The final acceptance of the papers will be based on their full version, following a peer review by members of the International Scientific Committee. The Proceedings will comprise a CD and a printed book with full-length papers. Keynote Lectures will be included in the volume. The task of producing the Proceedings has been assigned to Wiley-VCH Verlag GmbH & Co. The Proceedings will be available to all registered participants upon arrival at the Conference. All accepted papers will be presented during working sessions. Oral presentation is the unavoidable condition for the publication of a paper in the Proceedings. An accepted paper will be published in the SDSS 2016 Proceedings, if at least one of the authors registers and presents it within the Conference. It should be added that a participant is allowed to present no more than two papers at the SDSS 2016 Colloquium. The publication of a special issue in an international journal is also being considered - it would include full-length versions of selected papers presented at the Colloquium.

KEY DATES

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Abstract submission:</td>
<td>15 June 2015</td>
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<tr>
<td>Acceptance of Abstracts:</td>
<td>15 July 2015</td>
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<tr>
<td>Submission of Full Papers for Review:</td>
<td>15 November 2015</td>
</tr>
<tr>
<td>Acceptance of Papers:</td>
<td>10 January 2015</td>
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<tr>
<td>Submission of Final Papers:</td>
<td>10 February 2016</td>
</tr>
<tr>
<td>SDSS 2016:</td>
<td>30 May – 01 June 2016</td>
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TENTATIVE PROGRAMME

<table>
<thead>
<tr>
<th>Sunday, 29.05.2016</th>
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<tbody>
<tr>
<td>Arrival of participants</td>
</tr>
<tr>
<td>17:00 – 19:00 Registration</td>
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<tr>
<td>Monday, 30.05.2016</td>
</tr>
<tr>
<td>08:00 – 09:00 Registration</td>
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<tr>
<td>09:00 – 09:30 Opening Session</td>
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<tr>
<td>09:30 – 10:00 Keynote Lecture: Professor</td>
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<tr>
<td>Ulrike Kuhlmann</td>
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<tr>
<td>10:00 – 13:00 Parallel Technical Sessions</td>
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<tr>
<td>13:00 – 14:00 Lunch</td>
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<tr>
<td>14:00 – 15:00 Keynote Lecture: Professor</td>
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<tr>
<td>Siu-Lai Chan</td>
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<tr>
<td>15:00 – 18:00 Parallel Technical Sessions</td>
</tr>
<tr>
<td>20:00 – 23:00 Welcome Reception</td>
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| Tuesday, 31.05.2016                      |
| 09:00 – 09:30 Keynote Lecture: Professor |
| Kim Rasmussen                            |
| 09:30 – 13:00 Parallel Technical Sessions|
| 13:00 – 14:30 Lunch                      |
| 14:30 – 15:00 Keynote Lecture: Professor |
| Ioannis Vayas                            |
| 15:00 – 18:00 Parallel Technical Sessions*|
| 20:00 – 23:00 Conference Banquet         |

| Wednesday, 01.06.2016                    |
| 09:00 – 13:00 Parallel Technical Sessions|
| 13:00 – 14:00 Closing session            |
| 14:00 – 15:00 Lunch                      |
| 08:00 – 17:00 Excursion Tour             |

| Thursday, 02.06.2016                     |

* One parallel session is devoted to RFCS SAFEBRICK Workshop

Timisoara Fortress on 16th Century
REGISTRATION

The registration fee for the participants covers:

- Participation in all Technical Sessions;
- Conference bag with general documentation, Conference Programme and the Conference Proceedings (incl. CD);
- Coffee and refreshments during the breaks;
- Lunches on Monday, May 30, Tuesday, May 31 and Wednesday, June 01;
- Welcome Reception on Monday, May 30;
- Conference Banquet on Tuesday, May 31.

The conference fee for the accompanying persons covers:

- Admission to both opening and closing sessions;
- Conference bag with general documentation, Conference Programme;
- Sightseeing of Timisoara and the surroundings with a guide, including lunches on Monday, May 30, Tuesday, May 31 and Wednesday, June 01;
- Welcome Reception on Monday, May 30;
- Conference Banquet on Tuesday, May 31.

<table>
<thead>
<tr>
<th>Registration</th>
<th>Before 31.01.2016</th>
<th>Between 01.02.2016 and 30.04.2016</th>
<th>In cash at the Colloquium Registration Desk</th>
</tr>
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<tbody>
<tr>
<td>☐ Participant</td>
<td>420 €</td>
<td>460 €</td>
<td>500 €</td>
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<tr>
<td>☐ Student (under and post graduate)</td>
<td>300 €</td>
<td>350 €</td>
<td>400 €</td>
</tr>
<tr>
<td>☐ Accompanying person</td>
<td>250 €</td>
<td>300 €</td>
<td>350 €</td>
</tr>
<tr>
<td>☐ Post-conference tour</td>
<td>90 €</td>
<td>95 €</td>
<td>100 €</td>
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ACCESS TO TIMIŞOARA

By air
Traian Vuia International Airport (TSR)
Web: www.aerotim.ro; Email: office@aerotim.ro
The airport is located six miles from the city centre. Taxis are readily available outside the arrivals area. Express bus no. 4 offers service to the city centre.

Lufthansa – www.lufthansa.com; Direct flights from/to: Munich
Tarom – www.tarom.ro; Direct flights from/to: Bucharest

By train
Timisoara North - main train station (Gara Timisoara Nord)
There are daily trains from/to Budapest (approximate journey time - 5 hours), and Vienna (approximate journey time - 8 ½ hours). Trains to other western European cities run via Budapest.
For the list of international trains with service to/from Romania please visit: http://www.romaniatourism.com/transportation.html#bytrain
There are daily INTERCITY (Express) trains connecting Timisoara with Bucharest (approximate journey time: 7 ½ hours), Arad (approximate journey time: 45 minutes), Cluj-Napoca (approximate journey time: 5 hours) and Oradea (approximate journey time: 2 ½ hours).
To check the latest train schedules for domestic routes please visit the website of the Romanian Railways: www.infofer.ro
The site has complete information about domestic train schedules and fares.
Note: For departures from/to Timisoara please select Timisoara Nord.
For departures from/to Bucharest please select Bucuresti Nord.
By car
The recommended route from Bucharest to Timisoara is:
Bucharest - Pitesti - Ramnicu Valcea - Sibiu - Deva - Lugoj - Timisoara
The recommended route from Budapest to Timisoara is:
Budapest - Szeged - Nadlac - Arad - Timisoara
The recommended route from Vienna to Timisoara is:
Vienna - Gyor - Budapest - Szeged - Nadlac - Arad - Timisoara

For the people of those countries which have not established a “visa bilateral agreement” with Romania or Shengen area, an “entrance visa” is necessary.

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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www.ct.upt.ro/sdss2016.htm

“She-wolf” (“Lupoaica”, “Romulus and Remus”)
1926, town symbol