

# **The 6<sup>th</sup> International Conference on Thin Walled Structures**

**05 – 07 September 2011, Timisoara, Romania  
[www.ct.upt.ro/ictws2011.htm](http://www.ct.upt.ro/ictws2011.htm)**

**Organised by,**

**The “Politehnica” University of Timisoara  
Department of Steel Structures and Structural Mechanics**



## SCOPE AND OBJECTIVE

The highly successful “International Conference on Thin-walled Structures” conference series is seen and regarded today by those in the global thin-walled structures community as a major forum for the dissemination of knowledge and the mutual exchange of ideas in all areas of research, development, design and innovation pertaining to thin-walled structures. This conference is the sixth in the series, with the first five being held in Glasgow in 1996, Singapore in 1998, Krakow in 2001, Loughborough in 2004 and Brisbane in 2008. The aim of this conference is to continue the successful conference series and provide a platform for the experts from global thin-walled structures community including academics, researchers, engineers, designers and manufacturers to participate at this international gathering, present and discuss the recent work in the field of thin-walled structures.

Starting with 1982, the Department of Steel Structures and Structural Mechanics has been organizing in Timisoara, one of the Sessions of the SSRC International Colloquium on Stability of Steel Structures. In 1992 stated a series of internationally recognised scientific events in the field of steel constructions, among them: 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. In 2006 the Department organized the ICMS2006 conference (STEEL A NEW AND TRADITIONAL MATERIAL FOR BUILDING - ICMS2006 CONFERENCE), conference which covers a large spectrum of topics characterizing the present and future development of constructional steelwork industry. That conference was connected to the 2006 ECCS Annual Meeting.

***The ICTWS2011 conference is organised in conjunction with the EUROSTEEL2011 conference to be held in Budapest, Hungary from 31.08-03.09.2011 ([www.eurosteel2011.com](http://www.eurosteel2011.com)). A reduced 10% fee will be applied for the participants who will attend both conferences.***

## CONFERENCE MAIN TOPICS

- Buckling, vibration and optimisation
- Post-buckling and collapse mechanism
- Structural crashworthiness
- Structural dynamics
- Cyclic and blast loading
- Fire resistance
- Fatigue and fracture mechanics
- Energy absorption characteristics
- Impact mechanics
- Reliability and safety
- Manufacturing aspects of thin-walled structures
- Damage repair and assessment of thin-walled structures
- Innovative thin-walled structural designs and applications
- Connections in thin-walled structures
- Aeroelastic considerations and General fluid-structural interaction aspects
- Design codes and standards
- Cold-formed steel structures
- Composite structures
- Honeycomb and foam-filled sandwich construction
- Lightweight aluminium structures
- Lightweight fibre reinforced plastic composite structures
- Aircraft and aerospace structures
- Bridge and building structures
- Ship structures
- Vehicle structures
- Storage racking and silo structures
- Plate, shell and space structures
- Off-shore structures

## **COMMITTEES**

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I. Tuca, *PU Timisoara*

C. Vulcu, *PU Timisoara*

R. Zaharia, *PU Timisoara*

### **SCIENTIFIC SECRETARY**

V. Ungureanu, *PU Timisoara*



## 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. Extended versions of selected papers will be published in a Special Issue of the International Journal of Thin-Walled Structures.

## KEY DATES

Abstract submission:	by 30 September 2010
Acceptance of Abstracts:	01 November 2010
Submission of Full Papers for Review:	30 January 2011
Acceptance of Papers:	31 March 2011
Submission of Final Papers:	01 May 2011
Conference dates:	05-07 September 2011

## 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" (Cetatea Timis). 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 20<sup>th</sup> 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 16<sup>th</sup> 1989 Timisoara was the place where the anti-Communist revolution spark burst.



## Contacts

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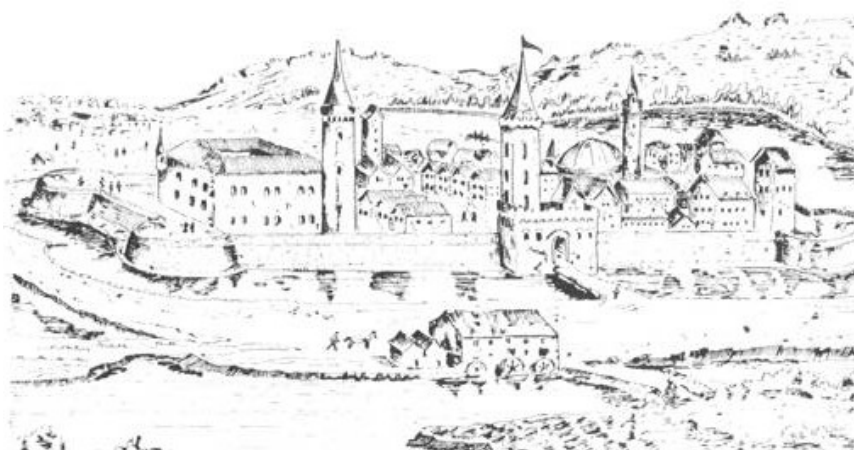
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Timisoara Fortress on 16<sup>th</sup> Century