Conference Venue

Łódź is a modern dynamic city with a population of around one million. At the end of 19th century, it was the biggest center of the textile industry in the country. It was here, where in twenties of the 19th century, the best craftsmen arrived, developing the industry by opening their factories and manufactories, which are nowadays visible in almost every corner of the city. This is the place, where one of the longest shopping streets in Europe is located (Piotrkowska Street), with marvelous examples of *Art Nouveau* and this is the land of the Nobel Prize winner Władysław Reymont has written about in his novel 'Ziemia Obiecana' ('The Promised Land'), contrasting opportunities and threats of capitalism. Nowadays, almost 600 years since granting the city rights, Łódź is continuously developing and by focusing on modern technologies, innovative industries, raises the standard of living of its residents. Łódź is also the City of Academia, where six universities and several colleges are based. The City of Łódź, with its postindustrial and other historical monuments, as well as numerous pubs and restaurants has recently become one of the most attractive cities in Europe for a weekend break.

Conference Chairs

Maria Kotełko (TUL)
Tomasz Kubiak (TUL)

Important Deadlines

Submission of Abstracts
30 September 2019

Notification of Acceptance of Abstracts
31 October 2019

Submission of Camera Ready Manuscript
31 January 2020

Notification of Final Acceptance of Full Manuscript
15 February 2020

Further Information

Prof. Maria Kotełko
Department of Strength of Materials
Łódź University of Technology
Stefanowskiego 1/15
90-924 Łódź, Poland
maria.kotelko@p.lodz.pl

DEPARTMENT OF STRENGTH OF MATERIALS

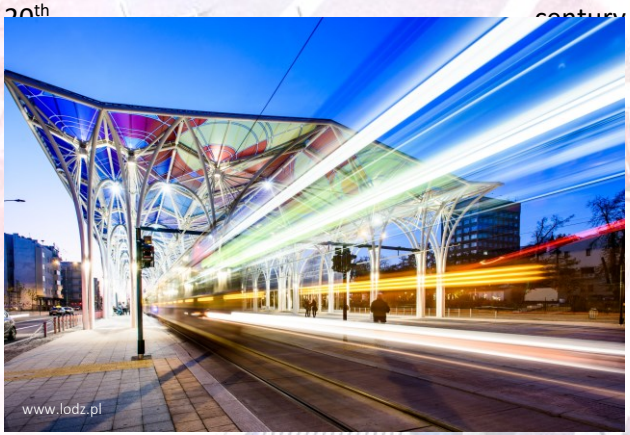
Preliminary Announcement

8th International Conference on Coupled Instabilities in Metal Structures

CIMS 2020, 13- 15 July, 2020
Łódź University of Technology, Poland

Fot.: www.lodz.pl

This conference follows the successful series of CIMS conferences held in Timisoara (1992), Liege (1996), Lisbon (2000), Rome (2004), Sydney (2008), Glasgow (2012) and Baltimore (2016). It gathers leading researchers from the area of stability of metal structures and (since 2012) of composite materials structures. Particularly, problems of buckling, post-buckling and mode interaction and failure of metallic structural systems and those made of composite materials are of interest. This area of study has received a great deal of attention over the last few decades and results of research in this area strongly contributed to the progress in the field of structural stability and to the evolution and development of engineering design codes. The eight international conference on **Coupled Instabilities in Metal Structures**, **CIMS 2020**, will be hosted in **Łódź (Poland)** and will be held at **Łódź University Technology (TUL),** which is one of the top universities of technology in Poland. The conference is being run by the Department of Strength of Materials (TUL), which is recognized in Poland and abroad as the Łódź School of Stability, initiated by Professor Jerzy Leyko in sixties of the 20th century.



Conference Scope

The conference welcomes the submission of quality papers which make a good and significant contribution to our knowledge and understanding and to research advancement with regard to the stability aspects of metal and composite material structures. Particular emphasis is to be paid to the advances made in the analysis and design of structural systems which are associated with stability aspects involving more than one mode of buckling. Theoretical, numerical and experimental research related to the buckling of metal, notably steel, stainless steel and aluminium structures or metal-composite structures are central themes of the conference as are reliability based studies related to the design of coupled instability phenomena

.

The main topical areas of interest are:

- Theoretical formulations and analytical procedures
- Numerical Simulation and FE computation
- Experimental testing
- Buckling, postbuckling and collapse of structures
- Cyclic and dynamic behavior of structures
- Elasticity, plasticity, viscoelasticity, Anisotropy and their effects on structural failure
- Sensitivity of structures to imperfections and residual stresses
- Behaviour of structures at elevated temperatures
- Reliability and safety of structural systems
- Design Codes of Practice and Standards

Fot.: www.lodz.pl