

The Local Seminar
on
Lightweight Structures in Civil Engineering – Contemporary Problems
– XXII LSCE 2016 –

organized in the name of Polish Chapters of International Association for Shell and Spatial Structures (IASS)
Olsztyn, 2 December, 2016 (Friday)

will be held in Hotel “HP Park”,
ul. Warszawska 119, 10-701 Olsztyn, in the room C (first floor). Registration from 10:00 AM.

1. The conference will start at 11:00 AM, on 2 December, 2016 (Friday).
2. Closing of presentations is expected about 17:00.
3. In time above are foreseen:
 - short welcome opening,
 - lunch (app. 14:00-15:00) in restaurant “HP Park”,
 - short information on IASS PC (after lunch – 5 min.),
 - closing,
 - conference dinner app. 17:30 – in the restaurant.
4. There 19 papers (all are being printed), to be orally presented in alphabetic sequence of the authors names as in contents below (app. 12 to 15 min.). English and Polish languages are accepted for presentation.
5. Coffee and tea will be available during sessions and during two short (10 min) coffee breaks.
6. Detailed list of papers is shown below.
7. For persons, who wish to stay in Olsztyn for two-three days, accommodation has been booked in the Hotel Park since 2 till 4 December on individual request one week in advance (170 zł per day).
8. To see you during LSCE 2016 in University Warmia and Mazury in Olsztyn
9. **PLEASE, CONFIRM by e-mail or by telephone YOUR PARTICIPATION, arrival and departure times as well as booking of the hotel room.**

With cordial regards

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CONTENTS
of the LSCE 2016 book

and

PROGRAM of LSCE 2016
(Attention – possible changes)

11:00 OPENING (10 min.)

Chairman: Prof. L. Małyszko

i – Welcome,

ii – including information about LSCE (up to 5 min)

PART I

(presented in sessions: 11:10-12:30 and 12:45-14:00)

Session ONE – 11:10-12:30

Chairman: Prof. R. Tarczewski (Member of the Permanent Committee of IASS PC)

1.	Devices of passive vibration control of building structures, I. Gołębiowska, M. Dutkiewicz, B. Usewicz
2.	Lightweight structures in architecture: scenarios for the future, J. Kabrońska
3.	Design of slender RC columns of annular cross-section according to Eurocode 2 and the improved numerical method, K. Klempka
4.	FEM application for determination of post-critical deformation modes of perforated thin-walled bars, Ł. Kowalewski, A. Piotrowski, M. Gajewski, S. Jemioło
5.	Lightweight glass and metal roof structures in the 19th century. Architecture and construction, M. Kwasek, A. Piwek

Coffee break 12:30 – 12:45

Session TWO – 12:45-14:00

Chairman: Prof. M. Kamiński (Member of the Permanent Committee of IASS PC)

6.	Monitoring of structural vibrations using GNSS and accelerometer data - preliminary test, L. Małyszko, E. Kowalska, J. Paziewski, A. Rutkiewicz, R. Sieradzki
7.	Static response of axially loaded tensegrity prism example of using proprietary programming language, L. Małyszko
8.	Comments to selected mechanical analyses of bar structures, J.B. Obrębski
9.	Verification and monitoring of housing investments by the Earned Value Method, M.Z. Obrębski
10.	Diagnostics of geometry and condition of a wooden structure based on a point cloud, J. Pawłowicz, P. Bilko, E. Szafranko, S. Sawczyński

LAUNCH – app. 14:00-15:00 in the restaurant Hotel HP Park

PART II

(presented in session 15:00-17:00)

Session THREE – 15:00-17:00

Chairman: Prof. I. Gołębiewska (Member of the Permanent Committee of IASS PC)

11.	Some problems of supporting offshore wind turbines, J. Przewiócki, P. Iwicki
12.	The impact of material degradation on the resistance and reliability of truss structures, R. Ptaszek, J. Górski, K. Winkelmann
13.	Static, fatigue and dynamic tests of the full-scale hybrid “FRP composite – concrete” bridge girder, M. Rajchel, T. Siwowski
14.	Steel hot-rolled, cold-formed, and hot-finished structural hollow sections – an experimental stability study, J. Szafran, K. Juszczak, M. Kamiński
15.	Steel lattice tower reliability estimation for serviceability limit state, J. Szafran, K. Juszczak, M. Kamiński
16.	Polyurea coating systems: definition, research, applications, J. Szafran, A. Matusiak
17.	The quality of measurements of a building taken by means of a 3D scanner, E. Szafranko, J.A. Pawłowicz
18.	Analysis and design of a steel single-layer geodesic domes, R. Szmit, M. Pawelski
19.	Semi-precast reinforced concrete formwork panels for construction of free-form shells, R. Tarczewski, M. Święciak

17:00 CLOSING

CONFERENCE DINNER app. 17:30-18:30 in the restaurant Hotel “HP Park”

During dinner, is foreseen discussion about future cooperation of IASS PCs and next LSCE Seminars