

**The Local Seminar
on
Lightweight Structures in Civil Engineering – Contemporary Problems
– XIX LSCE 2013 –**

organized in the name of Polish Chapters of International Association for Shell and Spatial Structures (IASS)
Olsztyn, 6 December, 2013 (Friday)

will be held in Hotel “HP Park”,

ul. Warszawska 119, 10-701 Olsztyn, in the room B (first floor). Registration from 10:00 AM.

1. The conference will start at 11:00 AM, on December 6, 2013 (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 22 papers (all are being printed), to be orally presented in alphabetic sequence of the authors names as in contents below (app. 10 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 6 till 8 December on individual request one week in advance (170 zł per day).
8. To see you during LSCE 2013 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 2013 book

and

PROGRAM of LSCE 2013

(Attention – possible changes)

(Information presented shortly by Prof J.B. Obrębski – by opening and app. 5 min after lunch)

11:00 OPENING (5 min.) Chairman: Prof. L. Małyszko	
i – Welcome,	
ii – including information about LSCE – J.B. Obrębski (up to 5 min)	
PART I (presented in session 11:05-12:30)	
Session ONE – 11:05-12:30 Chairman: Prof. I. Gołębiowska (Member of the Permanent Committee of IASS PC)	
1.	A way of shaping light gauge shell structures by putting auxiliary tetrahedral compositions together J. Abramczyk
2.	Examples of application of digital image correlation system Aramis for testing of the structural elements C. Ajdukiewicz, M. Gajewski, R. Winzer, S. Jemioło
3.	The class theta modular tensegrity grids based on tetrahedron and triangular prism Z. Bieniek
4.	Passive control of structural vibrations I. Gołębiowska, W. Sakiewicz
5.	Sensitivity analysis of simple random beam models by means of Monte Carlo methods using variance reduction techniques, J. Górski, M. Oziębło, K. Winkelmann
6.	Dynamic analysis of lightweight structure of the roof of arena Czyżyny in Cracow subjected to the wind fluctuations described by Davenport's spectrum, K. Grębowski, J. Przewłócki, K. Wilde

Coffee break 12:30 – 12:45

Session TWO – 12:45-14:00 Chairman: Prof. M. Kamiński (Member of the Permanent Committee of IASS PC)	
7.	Modular architecture as alternative approach to traditional construction processes, R. Janowicz, B. Konarzewska, J. Przewłócki,
8.	Calculating columns of significant slenderness using the Eurocode 2 and exact methods K. Klempka
9.	Numerical study on punching shear of RC flat slabs: effect of stamp shapes S. Klovanych, L. Małyszko
10.	Static and dynamic characteristic of masonry bridge using laser scanning and finite elements E. Kowalska, A. Rutkiewicz, L. Małyszko
11.	Light-weight construction of demountable hangar with regard to different construction solutions S. Niewitecki, G. Węclawski
12.	Comparison of some critical loadings for simingly similar bars with composite cross-sections J.B. Obrębski

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

iii – information about IASS Polish chapters – J.B. Obrębski – Chairman, R.Tarczewski – Secretary (10 min)

13.	Analysis of profits by application of the method EV for monitoring realization of running investment project. M.Z. Obrębski
14.	The roof structure shaping methodology for the first mall in Poland, called Supersam – Funicular trusses systems based on the parabolic geometry. Considerations based on the interviews with the author, Prof. W.Zalewski". M. Pelczarski
15.	The point estimate method in a reticulated shell reliability analysis. J. Przewłócki, J. Górski, P. Sorn
16.	Probabilistic sensitivity of limit states of structures. The Monte Carlo simulation. M. Skowronek
17.	An introduction to SFEM reliability analysis of the corrugated steel I-beam girder. D. Sokołowski, M. Kamiński
18.	Stochastic fire simulation of the telecommunication tower in ABAQUS by the Response Function Method. M. Strąkowski, M. Kamiński
19.	Influence of lightweight structures used in swimming pools and water parks objects on their functionality, building form and spatial-visual effects indoors. M. Szafrowski
20.	Review of structural systems used as a light roof covering of tennis courts. R. Tarczewski
21.	The reasons of considerable deflections of roof trusses in engineering analysis. J. Wojtas, J. Kaczmarek, J. Przewłócki

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