



Invitation

6th Bohemian-Saxon-Silesian Mechanics-Colloquium

Dear Colleagues!

The 6th Bohemian-Saxon-Silesian Mechanics-Colloquium is organized by the Institute of Structural Engineering at the University of Zielona Góra on 22nd October 2005. The aim of these scientific meetings is to bring together colleagues from the neighbouring regions of the Czech Republic, Germany and Poland, and to exchange ideas in the field of solid and fluid mechanics.

It is our great pleasure to sincerely invite you to the 6th Bohemian-Saxon-Silesian Mechanics-Colloquium and to present our Institute.

On behalf of the Institute
Mieczysław Kuczma, Director

Professors at the Institute:

Tadeusz Biliński

Józef Gil

Mieczysław Kuczma

Jakub Marcinowski

Antoni Matysiak

Jacek Przybylski

Janusz Szelka

Romuald Świtka

Krzysztof Wilmański

Józef Wranik

Adam Wysokowski



Zielona Góra, 22nd October 2005

Programme of the Mechanics Colloquium

Friday, 21st October 2005, 19:00 – 21:00 **Get-together** (4a Szafrana street, campus A of UZ)

Saturday, 22nd October 2005

9.30 Coffee break

10:00 Opening session

- Deputy Rector for Scientific Research and International Cooperation of the UZ
Prof. Józef Korbicz
- Deputy Dean for Scientific Affairs of the Faculty of Civil and Environmental Engineering
Prof. Beata Gabryś
- Director of the Institute of Structural Engineering
Prof. Mieczysław Kuczma

Session I

10:15 Prof. Krzysztof Wilmański

Thermodynamical modelling of immiscible mixtures (porous materials).

10:33 Prof. Jakub Marcinowski

Stability of a spherical cap loaded by the external pressure.

10:51 MSc. Joanna Kaliszuk

Reliability analysis of a cylindrical shell using a hybrid FEM/ANN simulation in the Monte Carlo Method.

11:09 Dr. Elżbieta Grochowska, Prof. Antoni Matysiak

Analytical and numerical analysis of steel – concrete composite beams expanded in their upper parts.

11:27 MSc. Bożena Kuczma, Prof. Mieczysław Kuczma

Composite beams with deformable connection.

11:45 Coffee break

Session II

12:30 Prof. Adam Wysokowski

Full scale fatigue testing of corrugated steel – soil culverts.

12:48 Dr. Waldemar Szajna

Numerical modelling of soil – steel culverts interaction.

13:06 Prof. Mieczysław Kuczma, MSc. Krystyna Wybranowska

Numerical homogenization of brick masonry.

13:24 Prof. Mieczysław Kuczma, MSc. Krzysztof Kula

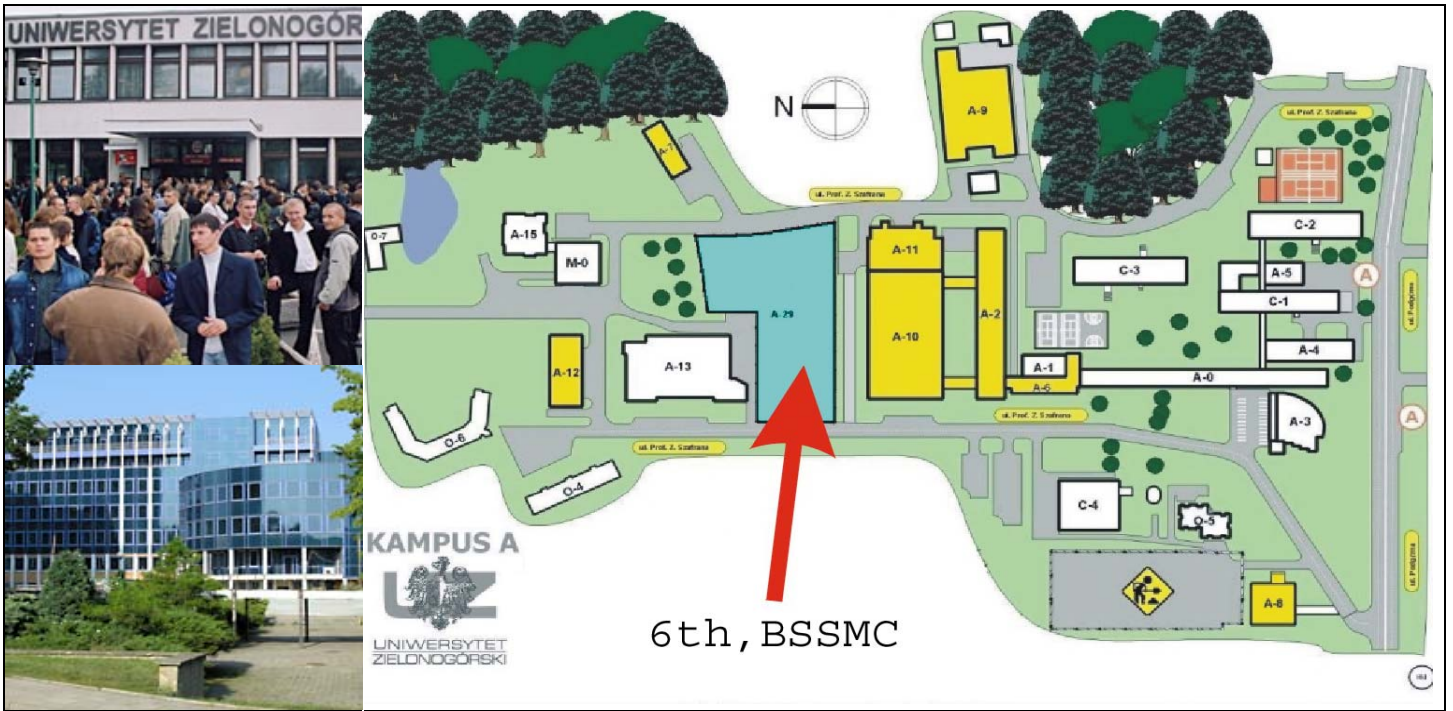
Finite element analysis of fibre – composite plates.

13:42 Dr. Tomasz Socha

Experimental and theoretical modelling of wooden beams enforced with composite bars.

14:00 Lunch break

15:00 Visiting the new (*under construction*) building of the Institute of Structural Engineering



The get-together and the lectures will be in the **lecture hall 104 at 4A Szafrana street**, (Faculty of Mathematics, Informatics and Econometry), University of Zielona Gora, **Campus A**. There is no conference fee. Costs for lunch and coffee are carried by the organizers.

Registration

Every participant is requested to register separately by e-mail or fax by making use of the attached [register form](#) before 10th October 2005.

Contact

Mechanics Colloquium

Institute of Structural Engineering
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65-516 Zielona Góra

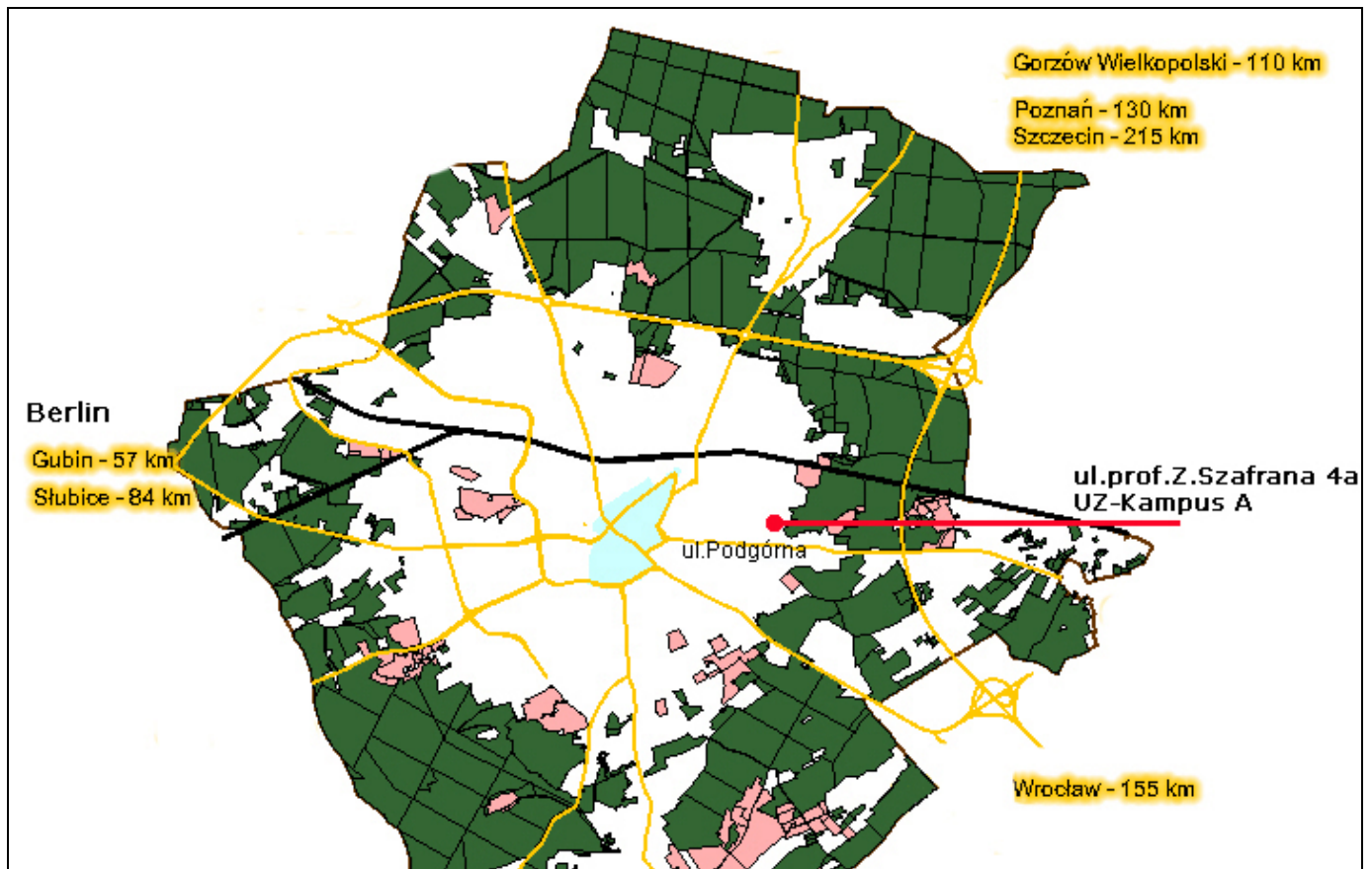
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tel. (+48 68) 327 00 91
www.orbis.pl/polan
- QUBUS ***, Zielona Góra, ul. Ceglana 14a
tel. (+48 68) 324 34 44
www.qubushotel.com
- ŚRÓDMIEJSKI **, Zielona Góra, ul. Żeromskiego 23
tel. (+48 68) 325 44 71
www.lubtour.pti.pl/srodmiejski.php
- POD LWEM, Zielona Góra, ul. Dworcowa 14
tel. (+48 68) 324 10 55
www.lubuskie-info.com
- SENATOR, Zielona Góra, ul. Chopina 23a
tel. (+48 68) 324 04 36
- MINERVA, Zielona Góra, ul. Niecała 2e
tel. (+48 68) 324 32 80
www.hotelminerva.go3.pl



Fragment of the city around Campus A of the University of Zielona Góra

