



## Invitation

### **6<sup>th</sup> Bohemian-Saxon-Silesian Mechanics-Colloquium**

Dear Colleagues!

The 6<sup>th</sup> Bohemian-Saxon-Silesian Mechanics-Colloquium is organized by the Institute of Structural Engineering at the University of Zielona Góra on 22<sup>nd</sup> 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 6<sup>th</sup> 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, 22<sup>nd</sup> October 2005**

# Programme of the Mechanics Colloquium

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

**Saturday, 22<sup>nd</sup> 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. Jakub Marcinowski

*Stability of a spherical cap loaded by the external pressure.*

10:33 MSc. Joanna Kaliszek

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

10:51 Dr. Elżbieta Grochowska, Prof. Antoni Matysiak

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

11:09 MSc. Bożena Kuczma, Prof. Mieczysław Kuczma

*Composite beams with deformable connection.*

11:27 Prof. Mieczysław Kuczma

*Shape memory alloys – modelling and numerical simulation.*

**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

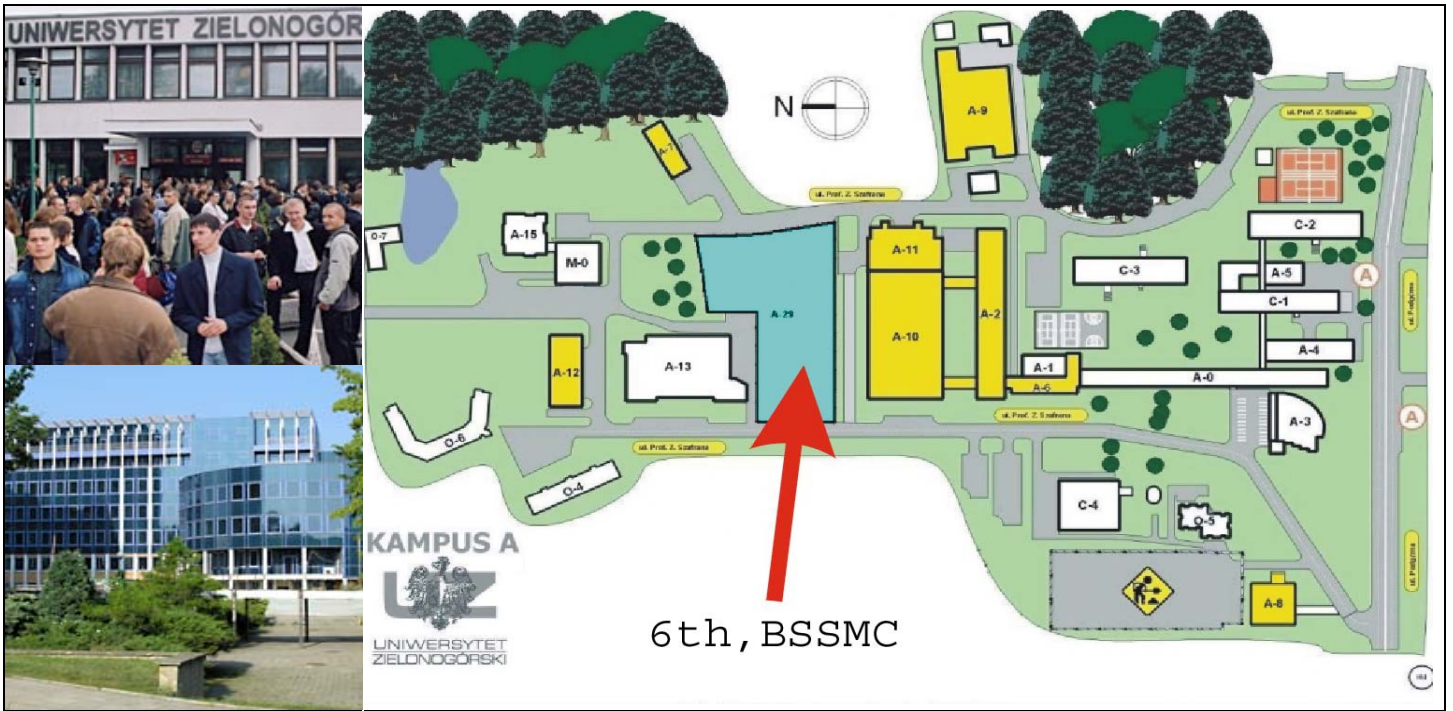
*Finite element analysis of fibre – composite plates.*

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 10<sup>th</sup> October 2005.

## Contact

### *Mechanics Colloquium*

Institute of Structural Engineering  
prof. Z. Szafrana 2 Str.

65-516 Zielona Góra

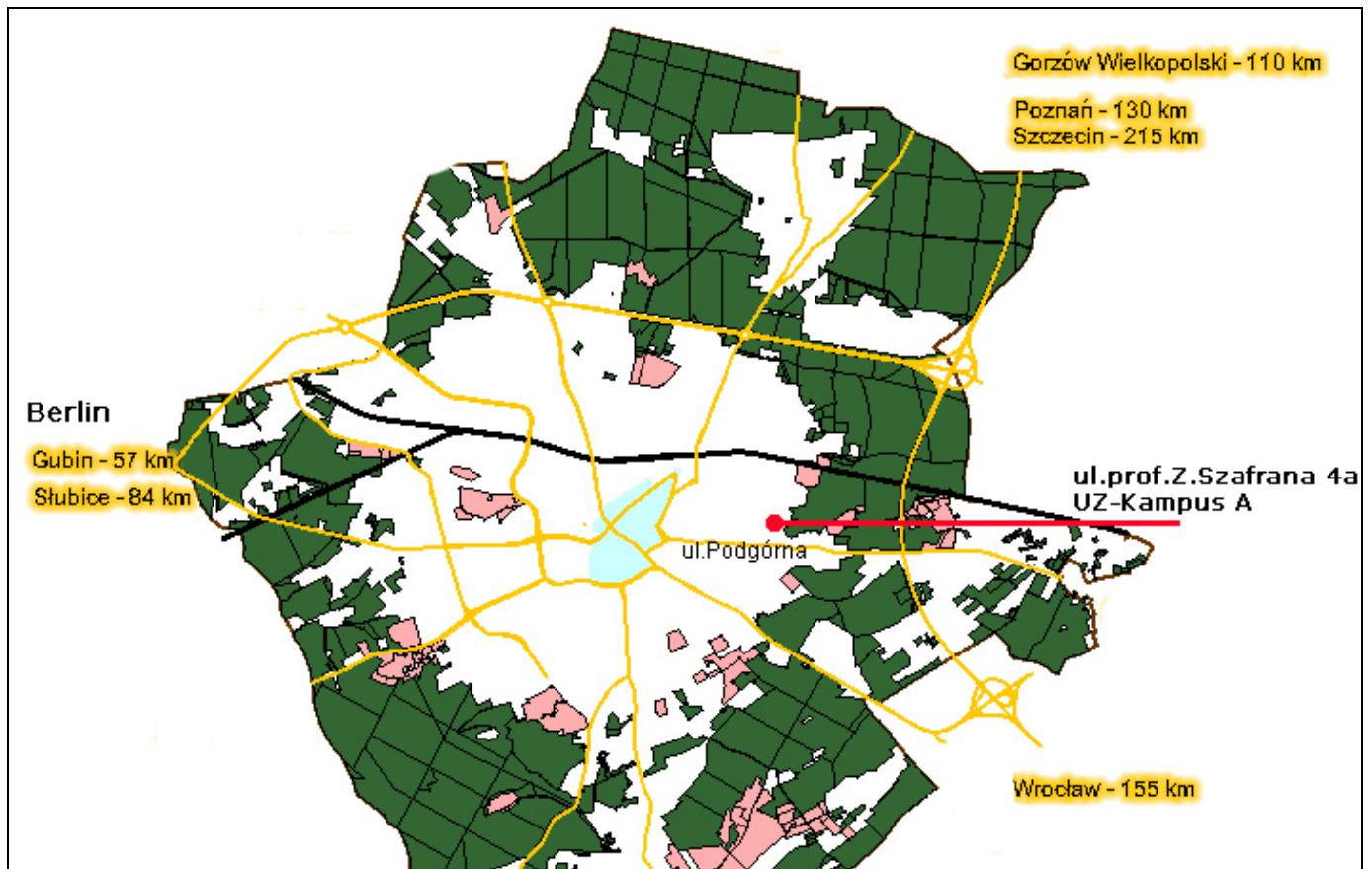
tel. : +48 68 328 24 16, +48 68 328 22 71

fax. : +48 68 324 72 92

E-mail: [BSSMC@ib.uz.zgora.pl](mailto:BSSMC@ib.uz.zgora.pl)

## Hotels in Zielona Góra

- POLAN \*\*\*, Zielona Góra, ul. Staszica 9a  
tel. (+48 68) 327 00 91  
[www.orbis.pl/polan](http://www.orbis.pl/polan)
- QUBUS \*\*\*, Zielona Góra, ul. Ceglana 14a  
tel. (+48 68) 324 34 44  
[www.qubushotel.com](http://www.qubushotel.com)
- ŚRÓDMIEJSKI \*\*, Zielona Góra, ul. Żeromskiego 23  
tel. (+48 68) 325 44 71  
[www.lubtour.pti.pl/srodmiejski.php](http://www.lubtour.pti.pl/srodmiejski.php)
- POD LWEM, Zielona Góra, ul. Dworcowa 14  
tel. (+48 68) 324 10 55  
[www.lubuskie-info.com](http://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](http://www.hotelminerva.go3.pl)



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

