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 Szafrańska 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. Jakub Marcinowski
  Stability of a spherical cap loaded by the external pressure.

10:33  MSc. Joanna Kaliszuk
  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 Góra, 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
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