I◯SAMCO

Preliminary PROGRAMME OF 18th I-SAMCO WORKSHOP (PRAGUE, Czech Republic)

Monday, September 18, 2006

08.30 – 09.00	Registration of participants
09.00 – 09.10	Welcome and introduction of ITAM Prague Miloš Drdácký, Director of the Institute of Theoretical and Applied Mechanics (ITAM)
09.10 – 10.30	Monitoring and Assessment of Structures Helmut Wenzel (VCE), I-SAMCO project coordinator
10.30 – 10.50	Coffee break
10.50 – 11.10	Remote Monitoring of Reinforcement Corrosion in Concrete Structures: Ronald Davies (Imperial College of Science & Technology)
11.10 – 11.30	Structural Health Monitoring with Wireless Sensor Networks - Challenges and Opportunities: Glauco Feltrin (EMPA)
11.30 – 11.50	Seismic Capability Assessment of a 400 kV Disconnector Using Both, Experimental Modal Analysis and Finite Element Analysis: Ion Manea (SC ICEMENERG)
11.50 – 12.10	Monitoring and Assessment of Historical Monuments: Werner Rücker (BAM)
12.10 – 12.30	Challenges of Data Interpretation: Ian Smith (EPFL)
12.30 – 12.45	Discussion
12.45 – 14.15	Lunch break
14.15 – 15.00	Transfer to the test structure (Lávka Chodov Bridge / Praha)

15.00 – 17.00	Practical demonstration of bridge monitoring:

- *BRIMOS-Recorder: Ambient vibration measurements of bridges*
- *BRIMOS – "Full Measurement System": Ambient vibration measurements of bridge decks*
- *BRIREC software*
- *BRIMOS software for evaluation and presentation of results*
- *Data acquisition equipment and software for permanent monitoring*
- *GREEN-Eye – software for conversion of measured data*

17.00 – 17.30	Control and verification of in-situ measurement results

17.30	Transfer of participants to Hotel DUO, near ITAM / Prague

19.00	Workshop Dinner

Tuesday, September 19, 2006

08.30 – 08.50	Registration of participants

08.50 – 09.10	Activities of ITAM Prague in the Area of Structural Monitoring and Control - Past and Present: Stanislav Pospíšil (ITAM)
09:10 – 09:30	Monitoring of the Stresses and Deflection of Large-span Roofs during Erection and Service Life: Vladimír Janata (EXCON)
09.30 – 09.50	New Methods in Monitoring of Historic Structures: Miloš Drdácký (ITAM)
09.50 – 10.10	Long Term Monitoring of TV Towers: Jiří Lahodny (EXCON)
10.10 – 10.30	Monitoring and Vibration Testing of Ancient and Modern Structures: Two Case-Studies: Alessandro De Stefano (Politechnico di Torino)

10.30 – 11.00	Coffee break

11.00 – 11.20	Lessons Learnt from Ambient Vibration Monitoring with BRIMOS – Case Studies (Bridges, Chimneys) in the Czech Republic: Robert Veit (VCE)
11.20 – 11.50	Presentation of monitoring results of Lávka Chodov Bridge / Prague: Peter Furtner (VCE)
11.50 – 12.10	Analysis of Bridges Maintained by a Local Public Territorial Authority in Italy - Modal Identification and Condition Assessment: Francesco Benedettini (University of Aquila, DISAT)
12.10 – 12.30	Ananalytical Modelling of Railway Tracks for the Development of New Antivibration Systems: Concetta Onorii (University of Naples)

12.30 – 14.00	Lunch break

14.00 – 14.20	Compensation of Environmental Influences: Dr. Helmut Wenzel (VCE)

14.20 – 14.40	The Use of Measured Ambient Vibration for Identification of Structural Characteristics of the Historic Cairo Aqueduct: Mohamed A. Naiem Abdel-Mooty (AUC)
14.40 – 15.00	Dynamic Identification and Monitoring of Structures under Seismic Excitations: Zbigniew Zembaty (Technical University of Opole)
15.00 – 15.20	Dynamic (Seismic) Analysis on Masonry, RC and PRC Bridges: Paolo Franchetti (DCT, Univ. of Padua)
15.20 – 15.40	Future Developments of Monitoring and Control of Civil Engineering Structures and Buildings: Helmut Wenzel (VCE)
15.40 – 16.00	Discussion
16.00	Workshop closure

For more information see: http://www.itam.cas.cz/samco/
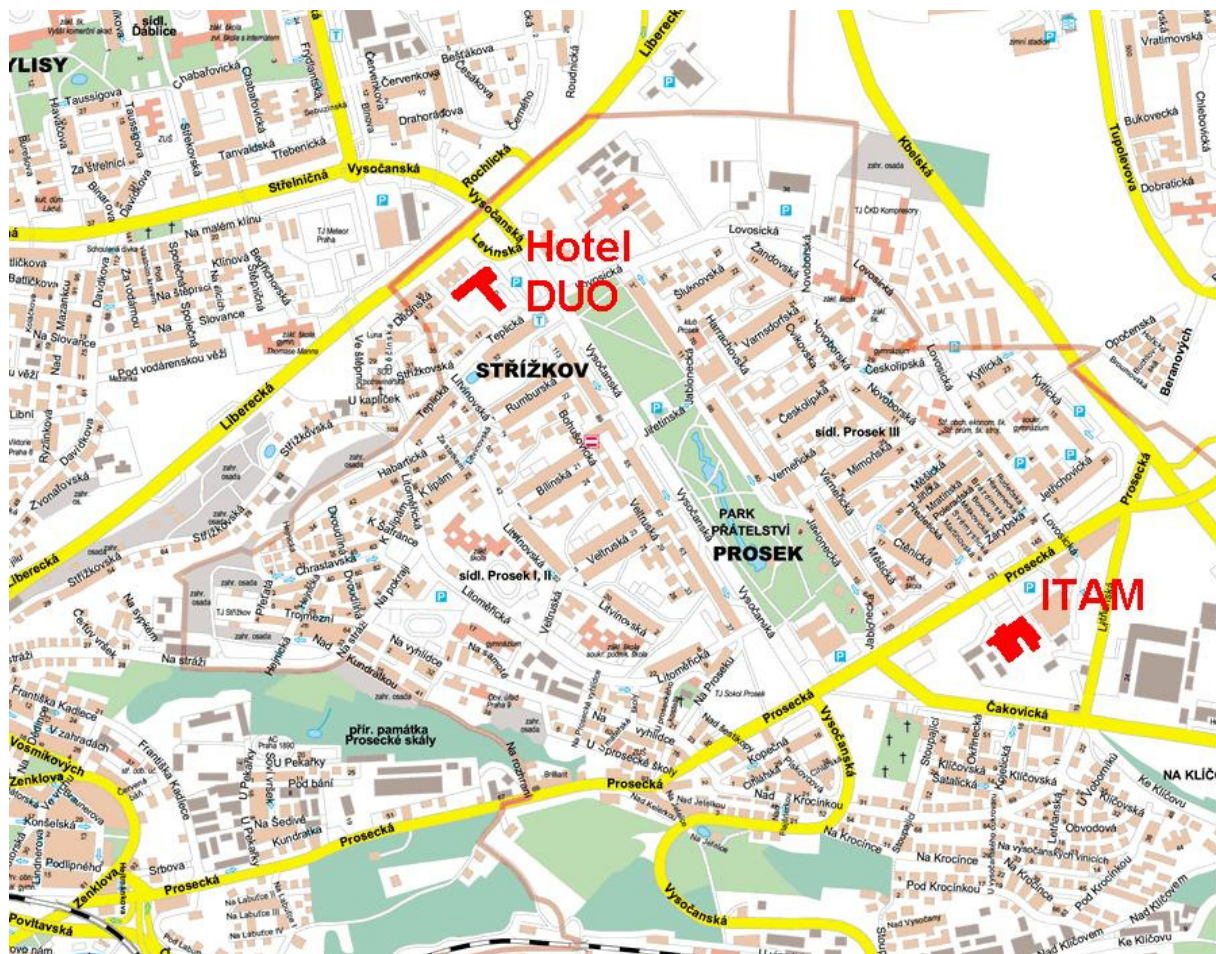
IOSAMCO

Location:

ITAM
Institute of Theoretical and Applied Mechanics, Academy of Sciences of the Czech Republic
Prosecká 76
CZ-19000 Prague 9

Accommodation:

Workshop participants might book a room at Hotel DUO http://www.hotelduo.cz/ (see map below) using the password **akademieved06** on filling in the online form for accommodation booking to get the cheaper price.

Registration for the Workshop:

Registration is done through ITAM / Prague

Please register by filling in the registration form available on the website
http://www.itam.cas.cz/samco