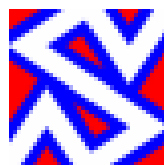


Institute of Construction and Architecture  
Slovak Academy of Sciences  
Slovak Physical Society



# THERMOPHYSICS 2005

Meeting of the Thermophysics  
Working Group of the Slovak Physical Society

October 12 – 13, 2005  
Kočovce

## Programme

### Wednesday October 12, 2005

11:00 – 12:00 **Registration and welcome**

12:00 – 13:00 **Lunch**

13:00 – 13:20 **Opening**

13:20 M. Jiříčková, R. Černý  
Experimental analysis of water and water vapor transport in coating-substrate systems

13:40 J. Maděra, P. Tesárek, R. Černý  
Heat and moisture transport in a cast gypsum wall with exterior thermal insulation

14:00 S. Malinarič  
A new approach to the analysis of thermophysical parameters measurement uncertainty

14:20 E. Mňahončáková, P. Tesárek, J. Toman, R. Černý  
Thermal and hygric properties of glass fiber reinforced cement composites: reference measurements

14:40 – 15:10 **Coffee Break**

15:10 L. Kubičár, Ľ. Bágel, V. Vretenár, V. Štofánik  
Validation test of the hot ball method for setting of the cement composites

15:40 O. Koronthályová, P. Matiašovský  
Hygroscopicity of matured and non-matured plasters

16:00 L. Fiala, Z. Pavlík, M. Jiříčková, D. Stoklasová, R. Černý  
Coupled water and chloride transport in calcium silicate: parameter identification using inverse analysis

16:30 – 17:30 **Working Group Thermophysics Meeting**

18:30 **Dinner**

**Programme**

**Thursday October 13, 2005**

7:30 – 8:30 **Breakfast**

9:00 V. Boháč, Ľ. Kubičár, V. Vretenár, M. Harcek  
Measurement of ceramic materials thermophysical properties – optimisation of methodology

9:20 A. Palacková  
Testing physical hypotheses using program Statographics Plus

9:40 O. Zmeškal, P. Štefková, R. Capoušek  
Study of thermal properties differences between homogeneous and composite material

10:10 – 10:40 **Coffee Break**

10:40 J. Lukovičová  
Application of Inverse method to the estimation heat-transfer coefficient under non-steady heating regime

11:00 V. Vretenár  
Pulse transient method in sandwich-like specimen setup

12:00 **Lunch**