

Nové materiály a technológie pre energetiku



Európska únia
Európsky fond regionálneho rozvoja



Agentúra
Ministerstva školstva, vedy, výskumu a športu SR
pre štrukturálne fondy EÚ



Podporujeme výskumné aktivity na Slovensku/Projekt je spolufinancovaný zo zdrojov EÚ

VEDECKÁ KONFERENCIA

Materiály a Technológie pre Energetiku

25. 3. 2013

Ústav experimentálnej fyziky SAV, Watsonova 47, Košice

Miesto konania: zasadačka č. 101 na 1. poschodí

PROGRAM

8:30 – 9:00

Growth, microstructure and properties of REBCO bulk superconductors

P. Dík, D. Volochová, S. Piovarčí, V. Antal, M. Radušovská, M. Šefčíková, K. Zmorayová, J. Kováč, K. Jurek*, M. Jirsa*

Institute of Experimental Physics, Slovak Academy of Sciences, Košice, Slovak Republic

**Institute of Physics ASCR, Prague, Czech Republic*

9:00 - 9:30

Magnetic fluid for power transformer

M. Timko

Institute of Experimental Physics SAS, Košice

9:30 - 10:00

Materiály pre biobatérie, biopalivové články a elektrochemické biosenzory

M. Antalík

Ústav experimentálnej fyziky SAV, Košice

10:00 - 10:15

Specific Forms of User's Interaction with Optical Tweezers

P. Keša, M. Antalík, Z. Tomori

Institute of Experimental Physics, Slovak Academy of Sciences, Košice

10:15 - 10:30

Polymer Self-assembly as a Tool for the Preparation of Progressive Materials

M. Sedláč, D. Rak

Institute of Experimental Physics SAS, Košice

10:30 - 10:45 Prestávka – diskusia pri posteroch

10:45 - 11:15

Modern Heusler alloys prepared by rapid quenching

R. Varga

Institute of Physics, Faculty of Science, University of Pavol Jozef Safarik, Košice

11:15 - 11:45

Unconventional method of grain – oriented steel preparation in combination with nano particles VC and strain induced grain boundary motion

F. Kováč, I. Petryshynets, J. Marcin*, I. Škorvánek*

Institute of Materials Research, Slovak Academy of Sciences, Košice

* *Institute of Experimental Physics, Slovak Academy of Sciences, Košice*

11:45 - 12:15

Medium-field annealing of soft magnetic materials and measurement of their magnetoelastic properties

P. Švec, R. Szewczyk*, P. Švec Sr., J. Salach*, J. Hoško, A. Bienkowski*,

Institute of Physics, Slovak Academy of Sciences, Bratislava, Slovakia

**Institute of Metrology and Biomedical Engineering, Warsaw University of Technology, Poland*

12:15 - 12:45

Soft magnetic materials for power electronic and magnetocaloric applications

I. Škorvánek, J. Marcin, J. Kováč, M. Capík, M. Varga, F. Kováč*, P. Švec**

Institute of Experimental Physics, Slovak Academy of Sciences, Košice

**Institute of Materials Research, Slovak Academy of Sciences, Košice*

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12:45 - 13:00 Diskusia pri posteroch