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research worker

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CURRICULUM, EDUCATION

- 2008 - research worker at IMR SAS, Department of Microstructure and Mechanical Properties of Steels
- 2007 research worker at IMR SAS, Department of Powder Metallurgy
- 2004-2007 PhD student at IMR SAS, Department of Powder Metallurgy
- 1999-2004 Technical University Košice, Faculty of Metallurgy, department of ferrous metallurgy and foundry
- 1992-1996 Secondary school of Metallurgy

LINGUISTIC SKILLS

- English- intermediate

SCIENTIFIC ACTIVITIES

- sintered steels
- heat treatment of steels
- mechanical properties of steels
- metallography of metallic materials
- fractography of steels
- microstructural analysis, strength and toughness properties of sintered steels

PROJECTS (COORDINATOR, PARTICIPANT)

Participant:

- APVV-0629-06, 02/2007-12/2009
- VEGA 2/6206/26, 01/2006-12/2008
- VEGA 2/6209/26, 01/2006-12/2008
- VEGA 2/3207/23, 01/2003-12/2005

MEMBERSHIPS, AWARDS: -

NUMBER OF PUBLICATIONS: 14

NUMBER OF CITATIONS:0

SELECTED PUBLICATIONS

- **ČAJKOVÁ, L.** - **KABÁTOVÁ, M.** - **DUDROVÁ, E.**: Failure Resistance and Fracture Toughness of Fe-Cr-Mo Sintered Steels. In: *Metallurgija*, 45, 2006, 3, s.198, (IF 0,185)
- **HRYHA, E.** - **ČAJKOVÁ, L.** - **DUDROVÁ, E.** - **NYBORG, L.**: Study of Reduction/Oxidation Processes in Cr-Mo Prealloyed Steels during Sintering by Continuous Atmosphere Monitoring. Vol. 1. Euro PM 2008. International Powder Metallurgy Congress and Exhibition. Mannheim, 29.9.-1.10.2008. Shrewsbury : EPMA 2008, s.109-114
- **ČAJKOVÁ, L.** - **DUDROVÁ, E.** - **KABÁTOVÁ, M.**: Lomová húževnatosť Fe-1,5Cr-0,2Mo-(0,3-0,7)C spekanej ocele. *Materiálové inžinierstvo*, 13, 2006, 4, s.24-29
- **ČAJKOVÁ, L.** - **DUDROVÁ, E.** - **KABÁTOVÁ, M.**: Vplyv mikroštruktúry spekaných ocelí na iniciáciu a šírenie trhlín pri statickom namáhaní. *Materiálové inžinierstvo*, 14, 2007, 3, s.199-202
- **HRYHA, E.** - **ČAJKOVÁ, L.** - **DUDROVÁ, E.**: Study of Reduction/Oxidation Processes in Cr-Mo Prealloyed Steels during Sintering by Continuous Atmosphere Monitoring. *Powder Metallurgy Progress*, 7, 2007, 4, s.181-197
- **KABÁTOVÁ, M.** - **ČAJKOVÁ, L.** - **DUDROVÁ, E.**: Mechanické vlastnosti Fe-Cr-Mo spekanej ocele. *Výrobné inžinierstvo*, 7, 2008, no. 3, s.61-66
- **ČAJKOVÁ, L.** - **DUDROVÁ, E.** - **KABÁTOVÁ, M.**: The Effect of Notch Geometry on the Fracture Toughness of Cr-Alloyed Sintered Steel. *Acta Metallurgica Slovaca*, 13, 2007, spec.iss., s.837-841
- **ČAJKOVÁ, L.** - **KABÁTOVÁ, M.** - **DUDROVÁ, E.**: Analýza hodnôt medze pevnosti a medze sklzu vo vzťahu k mikroštruktúre. *Materiál v inžinierskej praxi 2008*. 7. vedecko-technická konferencia. Herľany, 15.-17.1.2008. Ed. M. Mihaliková, J. Štaba. Košice : HF TU 2008, s.39-42
- **ČAJKOVÁ, L.** - **DŽUPON, M.** - **JAKUBÉCZYOVÁ, D.**: Spôsob prípravy Fe-Zn povlakov na žiarovo pozinkovaných oceľových plechoch. *Interantikor – Povrchové inžinierstvo 2008*. Herľany, 6.-7.11.2008, *Acta Mechanica Slovaca*, 4-B/2008, vol.12, s.40-45