

Special Department Seminar in Battistova cihelna

Tuesday, December 10, 2019

Group chairman	Time	Speaker	Title
	10.00-10.30		Welcome of participants
	10.30-10.40	Petr Sittner	Special Department Seminar opening
	10.40-11.10	Marina Davydova	Mobility talk 1: Direct laser deposition of hybrid metal oxide-nanocrystalline diamond layers for sensing applications
	11.10-11.40	Lucie Drbohlavová	Mobility talk 2: Production of N-terminated His-tagged bacteriophage's fiber tails
	11.40-13.00		LUNCH
MCM Sittner	1	Pavel Lejček	Non-segregating segregation
	2	Jaroslav Čapek	Zinc-based biodegradable materials
	3	Orsolya Molnárová	Sheared ECAP of Extruded Tube (SEET) as a new deformation process for production of ultra-fine grained gradient structure
	4	Ladislav KLimsa	2019 in images
MNB Lejček	1	Vincent Mortet	Synthesis and characterization of doped diamond
	2	Andrew Taylor	Porous boron doped diamond MEAs / microprobes for neural recording
	3	Petr Ashcheulov	Energy conversion and a window of opportunity for research ideas
	4	Nicolas Lambert	Experimental and modeled I-V characteristics of boron-doped diamond at high electric fields including self-heating effect
	14.20-14.40		Coffee break
Guests Mortet	1	Irena Kratochvilova	Beautiful memories...
	2	Ladislav Straka	Applications of Magnetic Shape Memory Inspired by Nature
	3	Zdeněk Weiss	A couple of words about GD-OES
	4	Jan Drahokoupil	Ion implantation into titanium
	5	Oleg Heczko	Role of antiphase boundaries on martensitic transformation and magnetic shape memory effect
	6	Jan Racek	Laser Shock Peening and Laser Surface Structuring
FMC Heczko	1	Luděk Heller	Deformation behavior of superelastic NiTi vs. austenite-martensite lattice strain (in)compatibility
	2	Ondřej Tyc	Effect of temperature and microstructure on superelastic fatigue life
	3	Eduardo Alarcon Tarquino	Heat Sources in NiTi wires loaded in tension
	4	David Vokoun	NiTi films
	5	Petr Šittner	Nitinol transforming/plasticizing ?
	16.30-17.00		Wine break
Miscellaneous Heller	1	Jaromír Kopeček	Spark plasma sintered materials
	2	František Fendrych	Novel multifunctional composite thin films
	3	Stavros Samothrakitis	Advances in Laue three-dimensional neutron diffraction tomography
	4	Camilla Larsen	Strain analysis by neutron diffraction tomography
	5	Patrick Tung	Neutron imaging for microstructural analysis of nitinol
	18.00-20.00		Refreshment and live music for surviving heroes