

Short oral IV. / Functional materials / July 10, Tuesday 10:00-12:00* / Nagy Hall

Wael Ali (Germany): Flame retardants (FRs) based on hybrid organic-inorganic materials

Mohammed Bouzbib (Hungary): Al₂O₃ protective thin film

Yuchen Chen (Czech Republic): Functional and mechanical property tuning of superelastic NiTi filaments by electric pulse heat treatment

Monika Czerny (Poland): FeNiCoAlTaB single crystals and their superelastic properties

Media Ghasem Zadeh Khorasani (Germany): Interphase formation of cured epoxy resin near boehmite surface

Juan F. Gomez-Perez (Hungary): Black phosphorus oxidation: Problem or opportunity

Hassanen Jaber (Hungary): Preparation and Synthesis of Hydroxyapatite Bio-Ceramic From Hungarian Bio-Waste by Thermal Heat Treatment

Attila Zsolt Kenéz (Hungary): Investigation of Joining Technologies of Diamond Drilling Segments

Zofia Veronika Kwak (Poland): Microstructure and mechanical properties of 7XXX series aluminum alloys obtained by semi-continuous casting

Junshan Li (Spain): NiSn bimetallic nanoparticles as stable electrocatalysts for methanol oxidation reaction

Nithyapriya Manivannan (Hungary): Magnetite nanoparticle synthesis and study based on stabilization techniques using different biocompatible coatings

Jacob Obitsø Nielsen (Denmark): Fe-C coatings as an environmental friendly alternative to hard chrome

Simona Pace (United Kingdom): Semi-insulating FeGaN grown using e-Beam PVD: structural and electrical characterization

Bogdan Postolnyi (Portugal): Superhard multilayer CrN/MoN protective coatings as a solution for critical raw materials under extreme conditions

Jakub Rzeczkowski (Poland): Acoustic emission aided fracture toughness testing of DCB composite beams with mechanical couplings

Reza Saadat (Germany): Improved Polymers with embedded Nanoparticles for Lightweight Construction

Alaa Salma (Germany): Micropollutants treatment based on textiles functionalized with polymers network

Zsolt Sályi (Hungary): Dissolution tests of a selective soldering tool material combination with enhanced lifetime in a calm SAC309 solder melt

Tobias Schlüter (Germany): Development of melt-spinnable PES/PA blends for the substitution of PA filaments in textile applications

Katharina Spangenberg (Germany): Optical properties of ALD deposited ZnO as a functional sensing layer based on self-assembled mesoporous membranes

María Taeño (Spain): Growth and study of NiO wires and ordered cavities showing optical resonant modes

Ondřej Tyc (Czech Republic): Superelastic fatigue of NiTi filaments and effect of plastic deformation

Flore Villaret (France): Development of an austenitic/martensitic gradient steel by additive manufacturing

Weidan Wang (Germany): Investigations on the microstructure and corrosion behavior of as-cast Mg-Si alloys

*Preliminary programme 21/06/2018 - changes may occur!