

Poster I. / July 9, Monday 10:00-12:00, 17:00-19:00 / July 10, Tuesday 10:00-12:00* / Glass Hall**Functional materials****Péter Ádám (Hungary):** Fiber drawings from viscous Al-containing systems**Adrienn Boros (Hungary):** Production of inorganic polymer foams with combined foaming process (GSP)**Monika Chlewicka (Poland):** Effect of structure on corrosion resistance of Mg-Zn-Ca alloy**Karima Chouchane (Algeria):** Investigation of the influence of undercoat adhesion of thermal spray deposits on aluminum alloy**Mónika Furkó (Hungary):** Investigation of the effect of milling conditions on the morphological and structural properties of hot-isostatic pressed h-BN/Si₃N₄ ceramic composites**Josef Hlinka (Czech Republic):** Influence of surface treatment on corrosion and other electrochemical properties of titanium**František Ivanič (Slovakia):** Biodegradable polymeric blends based on thermoplastic starch and poly(butylene adipate-co-terephthalate)**Alexandra Kemény (Hungary):** Hardness improvement and corrosion resistance examination of nitrided Ti-6Al-4V ELI biomedical material**Ying-Chieh Lee (Taiwan):** The formation of Tb doped TiO₂ thin films using thermal oxidation method**Emanuela Lorusso (Germany):** Polyester fabrics modified with zwitterionic polymer brushes to reduce biofilm formation**Mattia Pierpaoli (Italy):** Growth of boron-doped carbon nanowalls on quartz glass**Emily Radley (United Kingdom):** Are nanoparticles the solution to stress whitening in pre-painted metal systems?**Kristýna Rysová (Czech Republic):** New electro-optic glasses containing metal nanoparticles for light modulators**Dániel Ábel Simon (Hungary):** The effects of processing parameters on the properties of polypropylene-based thermoplastic dynamic vulcanizates**Štefan Nagy (Slovakia):** Cu-ZrB₂ composites prepared by gas pressure infiltration**Francesco Torre (Italy):** Fabrication of graphite-reinforced Cu matrix composites**Štefan Nagy (Slovakia):** Formation and analysis of interphase between carbon fibres and carbide forming elements in Mg based composites**Mehvish Zahoor (Germany):** Improved photo-catalytic performance of CeO₂-TiO₂ nanocomposite against degradation of crystal violet dye**Design & processing****Aurel Ramon Arnoldt (Austria):** Along the process chain of AlZnMg(Zr) alloys**Ioannis Bellos (United Kingdom):** Banded heat affected zone (HAZ) microstructures in LMD INCONEL718 repairs**Iulia Graur (Romania):** Preparation and characterization of organic-inorganic complexes modified epoxy resins**Benjamin Jones (United Kingdom):** Influence of composition and processing on strain ageing in high strength pearlitic wires**Jan Klusák (Czech Republic):** 3D-printed droplet-microreactor for chemical synthesis of nanoparticles**Christopher A. Martin (United Kingdom):** The effect of thermomechanical processing on the microstructural evolution of nickel-based alloys**S. A. Parekh (Singapore):** Electrospun silver coated polyacrylonitrile nanomembranes for water filtration applications**Konstantin Sommer (Germany):** Microstructure of additive produced parts**Aleksandra Towarek (Poland):** The influence of severe plastic deformation and magnesium content on the corrosion resistance of Al-Mg model alloys**Manufacturing & recycling****JiUn Lee (South Korea):** 3D collagen scaffold fabricated using a bio-printing process for tissue regeneration**Kanokon Nuilek (Hungary):** The effect of carbon nanosheet from natural waste materials on aluminium matrix composite properties**Mian Wasif Safeen (Italy):** Issues and main solutions in FSW of Al alloys and steel sheets**Mostafa Toushekhah (Italy):** Correlation between the laser focus and regularity of deposition in DED of AISI 316L**Miji Yeo (South Korea):** Aligned cell-laden alginate fibrous structure fabricated by an electrospinning process for muscle tissue regeneration**Life science and health**

Mahaa M. Ahmed (USA): Adsorbents for arsenic removal from drinking water

Kristina Čabanová (Czech Republic): Metal based particles detected in cytological mucus samples from the hypertrophic tissue of the inferior nasal turbinates

YoungWon Koo (South Korea): 3D printing of hierarchical porous/fibrous collagen structure for rapid remodeling of cell-laden scaffold using biodetergent hydrogel

Markéta Pišlová (Czech Republic): Deposition of thin metal layers on chitosan films

Marketa Polivkova (Czech Republic): Metal nanostructures for biological applications: Comparison of Ag and Pd biological suitability and material properties

Julia Tan (United Kingdom): Photodynamic therapy of melanoma cells using ruthenium compounds

Tamás Zagyva (Hungary): Characterization of electrosprayed nanohydroxyapatite coatings on Si₃N₄ ceramic

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