

Short oral I. / Structural materials / July 9, Monday 10.00-12:00* / Nagy Hall
Olivier Andreau (France): Microstructure and texture Control Of 316L Stainless Steel Parts
Annalisa Fortini (Italy): On the role of alloying element interactions in the modification level assessment of foundry aluminium alloys via thermal analysis approach
Apostolos Arvanitidis (Greece): In-situ Thermal Cycling and Fatigue of High Temperature Shape Memory Alloys
Otman Bazta (Spain): Structural, morphological and optical properties of yttrium modified ZnO thin films
Haroune Rachid Ben Zine (Hungary): Investigation of silicon carbide dispersion strengthened austenitic steels
Thibaut De Terris (France): Influence of SLM process parameters and heat treatments on the microstructure of inconel 625 superalloy
Evangelia Delli (United Kingdom): Epitaxial growth of GaSb based devices onto Silicon wafers
Friederike Emeis (Germany): Grain boundary engineering parameters for ultrafine grained microstructures: Proof of principles by a systematic composition variation in the Cu-Ni system
Michaela Fousova (Czech Republic): Aspects of Selective Laser Melting technology considered in preparation of trabecular structures
Nafisul Haque (United Kingdom): The development of plate and lath morphology in Ni ₅ Ge ₃
Robert J. Howell (United Kingdom): A Method for the Production of Titanium-Tantalum Alloys via the Electrolytic Reduction of their Respective Oxides Using the Metalysis-FFC Process
Jan Urbánek (Czech Republic): Adhesion of refractory materials
Anna Knaislová (Czech Republic): Preparation of TiAl ₁₅ Si ₁₅ intermetallic alloy by mechanical alloying and Spark Plasma Sintering
Daria A. Komkova (Russia): Structure and texture of magnesium plates and foils obtained by low-temperature severe plastic deformation
Jonas F. Kutschmann (Germany): Impact of microstructure and geometric length scales on miniaturized tensile tests of advanced steels
Smoin Mebrek (Algeria): Contribution of the comprehension of nanostructured (Fe ₆₅ Co ₃₅) _{100-x} Cr _x (x=0,10) some structural and magnetic properties
Mikael P. Mille (Switzerland): Anisotropic Influence of Hydrides on Fatigue Properties of Zirconium based Nuclear Fuel Claddings
Awais Qadir (Hungary): The effect of oxidized nanosized silicon nitride powder particles on the structural and mechanical properties of Si ₃ N ₄ /CNTs composite by hot isostatic pressing
Stephen Edward Repper (United Kingdom): The development of titanium alloy powders produced via the metalysis process
Abdelaziz Sabbar (Morocco): Structural and inhibitor characteristic of Bi ₂ O ₃ -P ₂ O ₅ -Nb ₂ O ₅ phosphates glasses
Mohamed Sadek (Sweden): 3-point bending fatigue testing of automotive bar steel grades at 20 kHz
Baran Sarac (Austria): Remarkable plasticity in iron-based metallic glass via finely-dispersed nanocrystals
Malik Shukeir (France): Simulation of interactions between screw dislocations and radiation-induced defects in alpha-Iron using dislocation dynamics
Andrea Školáková (Czech Republic): Formation of phases in Ti-20 wt. % Al mixture during reactive sintering
*Preliminary programme 29/06/2018 - changes may occur!