

Short oral VI. / Modelling and characterisation / July 11, Wednesday 10:30-12:00* / Nagy Hall**Kai Bläser (Germany):** Oxidation behaviour of roughing mill work rolls and effect on thermomechanical fatigue**Ahmed Kaci Boukellal (France):** Equiaxed growth of Al-Cu dendrites : 3D phase-field simulations**Xavier Boyat (France):** Microstructural characterisation of an IN718 linear friction weld**Luca Braglia (Italy):** EXAFS and XANES techniques for studying the type of defects in Ti-zeolites and their role in catalysis**Tamás Bubonyi (Hungary):** Simulation of crystallographic texture evaluation during recrystallization by cellular automaton method**Tamás Csanádi (Slovakia):** Anisotropic slip activation in ZrB₂ ceramic grains during nanoindentation**Fabio Emanuel de Sousa Ferreira (Portugal):** Correlation between substrate ion fluxes and properties of DLC films deposited by DOMS in Ar and Ar + Ne plasmas**Claudius Dichtl (United Kingdom):** Analysis of segregation effects during heat treatments and the influence on the formation of second phase particles in Titanium-834**Beatriz Fernandez Silva (United Kingdom):** Post-processing technique for macrozones definition in Ti834 alloy textures**Alexander Garrett (United Kingdom):** Characterising coherent Fe-Cu interfaces using density functional theory (DFT)**Roman Gerzen (Germany):** Investigation of deformation behaviour and fatigue damage evolution in nickel 201 using X-ray Laue diffraction and a 2D energy dispersive detector**Reza Karimi Bakhshandi (Sweden):** Damage mechanisms in machinery components of advanced high strength steels and their correlation to laboratory testing**Efstratios Koufis (Greece):** Modelling of hot cracking phenomena of a laser welded Al-Cu-Li (2198) alloy**Izabella Kwiecien (Poland):** Influence of nickel substrate microstructure on diffusion processes in Ni/Al/Ni interconnection**Martin Lindner (Germany):** The effect of work hardening on the time and temperature dependent aging behaviour of a maraging steel**Katalin Litauszki (Hungary):** Novel method for accelerated biopolymer aging**Bruno Oliveira (Portugal):** Film thickness effect on the grain growth kinetics of nanocrystalline Cu**Gábor Péterffy (Hungary):** Modelling the effect of irradiation on statistical properties of plastic deformation

*Preliminary programme 19/06/2018 - changes may occur!