

WEDNESDAY, 11 JULY		
08:00–08:50	Aqua Bistro	Registration
08:50–09:30	Nagy Hall	Plenary talk VII. / Steve Hant (United Kingdom): Materials characterization down to the atomic scale using electron microscopy / Session chair: George Kaptay
09:30–10:00	Aqua Bistro	Coffee break
10:00–10:30	Nagy Hall	Short oral V. / Structural materials / Session chair: Csaba Balázsi
		Arjun Kumar Talgotra (Hungary): PLC effect in austenitic TWIP steels
		Robert P. Thompson (United Kingdom): Softening of complex crystals by elastic heterogeneity
		Matthias Weber (Germany): High temperature oxidation behaviour of Mo-Si-B-Ti alloys in dry and wet environments
		Kang Yang (China): Natural silk fibre as a novel reinforcement for strong and tough epoxy composites
		Malgorzata Zasadzińska (Poland): The research on ductile resistance of deformed copper in various temperatures and various velocity of deformation
10:30–12:00	Nagy Hall	Short oral VI. / Modelling and characterisation / Session chair: Csaba Balázsi
		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 ZrB ₂ 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