EBSD 2016 PROVISIONAL PROGRAMME

TUESDAY 22 MARCH 2016

08.30 - 09.00	Registration and Coffee		
	Session One	Session Chair: Ali Gholinia	
09.00 - 09.10	Welcome and Introduction	Ali Gholinia	
09.10 - 09.40	Invited Talk: 3D mapping of polycrystals by diffraction contrast tomography in the laboratory	Philip Withers	
09.40 - 10.00	Correlation between 5-parameter grain boundary character and corrosion resistance of a 304 stainless steel by 3D-EBSD	Peter Konijnenberg	
10.00 - 10.20	Selective alpha phase precipitation at beta grain boundaries in Ti-17 alloys	Tao Liu	
10.20 - 10.40	2-D EBSD of a shot peened Al-7075-T651 Alloy: Plasma Xe+ FIB versus Ga+ FIB	Bart Winiarski	
10.40 - 11.10	Tea/Coffee and Exhibition		
	Session Two	Session Chair: Philip Withers	
11.10 - 11.30	Automated three dimensional broad ion beam milling acquisition and analysis	Ali Gholinia	
11.30 - 11.50	Microstructure and ionic conductivity of SOFCs studied by 3D EBSD and complex impedance spectroscopy	Marek Faryna	
11.50 - 12.10	Cryo-EBSD provides new insight on weakening mechanisms during deformation of polycrystalline ice	Matthew Vaughan	
12.10 - 12.30	Distinguishing shocked and tectonic microstructures in quartz	Martyn Drury	
12.30 – 12.50	Investigating Volcanic, Magmatic & Shock Histories within Meteorites using Electron Backscatter Diffraction	Natasha Stephen	
12.50 - 13.00	Techno Bite: Just scratching the surface of sample prep: mechanical versus ion polishing	Steve Murray, Hitachi High-Technologies Europe	

13.00 - 14.00	Lunch and Exhibition	
	Session Three	Session Chair: Ben Britton
14.00 - 14.20	Estimation of the beam spread in a specimen to form EBSD pattern	Seiichi Suzuki
14.20 - 14.40	Overcoming common EBSD errors	Keith Dicks
14.40 - 15.00	EBSD analysis of porous materials	René de Kloe
15.00 - 15.10	Techno Bite: Applying EBSD to Industry	Jenny Goulden, Oxford Instruments
15.10 – 15.40	Tea/Coffee and Exhibition	
	Session Four	Session Chair: Martyn Drury
15.40 - 16.10	Invited Talk: The characterisation of nanoscale features in rocks and meteorites using transmission Kikuchi diffraction	Patrick Trimby
16.10 - 16.30	Advantages of TKD in SEM using on-axis detector	Daniel Goran
16.30 - 16.50	Nanostructure Characterisation of Flow-formed Cr- Mo-V Steel using Transmission Kikuchi Diffraction Technique	Soran Birosca
16.50 – 17.10	Exploring Transmission Kikuchi Diffraction using a digital CMOS hybrid pixel detector	Stefano Vespucci
17.10 – 17.20	Techno Bite: Precession Electron Diffraction Applications in TEM: Orientation/Phase Mapping and Strain Analysis at nm scale	Vrettos Stelliou, NanoMEGAS
17.20 – 19.00	Poster Session with Prizes and Drinks Reception	
19.30	Conference Dinner at a local restaurant	

WEDNESDAY 23 MARCH 2016

08.30 - 09.00	Tea and Coffee		
	Session Five	Session Chair: Patrick Trimby	
09.00 - 09.30	Invited Talk: Analysing Elastic and Plastic Strains using EBSD — a review of advances and pitfalls	Angus Wilkinson	
09.30 – 09.50	Stress fields close to deformation twin tips in hexagonal close-packed polycrystalline materials	Hamidreza Abdolvand	
09.50 – 10.10	Investigation of deformation process in dual- phase Ti alloy using combined in-situ micropillar compression and HR-EBSD		
10.10 – 10.30	Insitu HR-EBSD characterization during micro- mechanical testing	Xavier Maeder	
10.30 – 11.00	Tea/Coffee and Exhibition		
	Session Six	Session Chair: Angus Wilkinson	
11.00 – 11.20	The power of correlative microscopy — understanding deformation compatibility with HR-EBSD and HR-DIC	Ben Britton	
11.20 – 11.40	Grain growth in Zircaloy-4	Vivian Tong	
11.40 – 12.00	Revealing fracture mechanism of non-metallic inclusion in Ni-based superalloy using HR-EBSD and HR-DIC	Jun Jiang	
12.00 – 12.20	Electron backscattered diffraction and electron channelling contrast imaging of a cross-section semi-polar (11-22) GaN on patterned r-sapphire substrates	Arantxa Vilalta-Clemente	
12.20 – 12.40	Assessment of optical distortion in EBSD systems from a simple beam shift experiment	Tomohito Tanaka	
12.40 – 13.00	Toy model for Kikuchi pattern formation: What is between "channeling-in" and "channeling-out"?	Aimo Winkelmann	

13.00 – 14.00	Lunch and Exhibition		
	Session Seven	Session Chair: Carol Trager-Cowan	
14.00 – 14.30	Invited Talk: Electron channelling contrast imaging (ECCI) – Recent advances and new applications	Stefan Zaefferer	
14.30 – 14.50	How advanced EBSD and Accurate-ECCI can be applied to quantify sub-boundaries induced during dislocational creep of uranium dioxide	Mariem Ben Saada	
14.50 – 15.10	Crystal Orientation Mapping using ion image series: iCHORD	Cyril Langlois	
15.10 – 15.30	Accurate Electron Channeling Contrast Imaging as a powerfull tool for analyzing low angle subgrain boundaries	Haithem Mansour	
15.30 – 15.50	Understanding the microstructure evolution of a quenching and partitioning steel using EBSD, EDX and nano-indentation	Zhuangming Li	
15.50 – 16.00	Techno Bite: Data averaging tools for improved mapping results	René de Kloe, EDAX	
16.00 – 16.05	Closing Remarks		
16.05 – 16.35	Tea/Coffee		
16.35	Meeting Close		