



“UK Ceramics Talent”

Queen Mary University of London, 10th of October 2018

Arrival and reception coffee break	10:00-10:30
Welcome (Prof. Michael Reece, Queen Mary University of London) (Dr. Eugenio Zapata-Solvas, Chair UK Chapter of ACerS)	10:30-10:45
Bernhard T. Leube (University of Liverpool) “Exploitation of different metal-sulphur frameworks for lithium ion transport”	10:45-11:15
Wirat Lerdprom (Imperial College London) “SPS, Microwave, Flash sintering; do they really work for porcelains?”	11:15-11:45
Matt Porter (University of Birmingham) “High-Temperature Ceramic Matrix Composites using Microwave Enhanced Chemical Vapour Infiltration”	11:45-12:15
Shunsuke Murakami (University of Sheffield) “Optimising dopants and properties in BiMeO ₃ -doped (Me = Al, Ga, Sc, Y, Mg _{2/3} Nb _{1/3} , Zn _{2/3} Nb _{1/3} , Zn _{1/2} Ti _{1/2}), lead-free BaTiO ₃ -BiFeO ₃ based piezoelectrics”	12:15-12:45
Lunch break + networking	12:45-14:00
Rebecca Smith (University of St. Andrews) “Quantum criticality in tetragonal tungsten bronze K ₃ Li ₂ Ta ₅ O ₁₅ ”	14:00-14:30
Williams Rowlands (Loughborough University) “Additive Manufacturing of Advanced Ceramics for Demanding Applications”	14:30-15:00
Stephanie M. Thornber (National Nuclear Laboratory) “Zirconolite Glass-Ceramics for Plutonium Immobilisation in the UK: From PhD to Industry”	15:00-15:30
Chao Yun (University of Cambridge) “Self-assembled oxide films with tailored nanoscale ionic and electronic channels for controlled resistive switching”	15:30-16:00
Rowena H. Brugge (Imperial College London) “Local chemical degradation processes and ionic transport in all-solid-state batteries”	16:00-16:30
Coffee break for networking + deliberation	16:30-17:00
Concluding remarks, awards and departure	17:00-17:15