



“UK Ceramics Talent”

Queen Mary University of London, 10th of October 2018

Arrival and reception coffee break	10:00-10:30
<p>Welcome</p> <p>(Prof. Michael Reece, Queen Mary University of London)</p> <p>(Dr. Eugenio Zapata-Solvas, Chair UK Chapter of ACerS)</p>	10:30-10:45
<p>Bernhard T. Leube (University of Liverpool)</p> <p>“Exploitation of different metal-sulphur frameworks for lithium ion transport”</p>	10:45-11:15
<p>Wirat Lerdprom (Imperial College London)</p> <p>“SPS, Microwave, Flash sintering; do they really work for porcelains?”</p>	11:15-11:45
<p>Matt Porter (University of Birmingham)</p> <p>“High-Temperature Ceramic Matrix Composites using Microwave Enhanced Chemical Vapour Infiltration”</p>	11:45-12:15
<p>Shunsuke Murakami (University of Sheffield)</p> <p>“Optimising dopants and properties in BiMeO₃-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 BaTiO₃-BiFeO₃ based piezoelectrics”</p>	12:15-12:45
Lunch break + networking	12:45-14:00
<p>Rebecca Smith (University of St. Andrews)</p> <p>“Quantum criticality in tetragonal tungsten bronze K₃Li₂Ta₅O₁₅”</p>	14:00-14:30
<p>Williams Rowlands (Loughborough University)</p> <p>“Additive Manufacturing of Advanced Ceramics for Demanding Applications”</p>	14:30-15:00
<p>Stephanie M. Thornber (National Nuclear Laboratory)</p> <p>“Zirconolite Glass-Ceramics for Plutonium Immobilisation in the UK: From PhD to Industry”</p>	15:00-15:30
<p>Chao Yun (University of Cambridge)</p> <p>“Self-assembled oxide films with tailored nanoscale ionic and electronic channels for controlled resistive switching”</p>	15:30-16:00
<p>Rowena H. Brugge (Imperial College London)</p> <p>“Local chemical degradation processes and ionic transport in all-solid-state batteries”</p>	16:00-16:30
Coffee break for networking + deliberation	16:30-17:00
Concluding remarks, awards and departure	17:00-17:15