

8th Materials Postdoc Symposium

14th September 2018

Royal School of Mines, Rooms G.20 and G.01

Imperial College London

Oral presentations - **Room G.20**

Sponsor's exhibition, poster sessions, image competition and refreshments – **Room G.01**

10:15 – 10:45 Welcome coffee and opening remarks by **Prof. Peter Haynes** (HoD) – room G.01

Session 1 – Room G.20

Chairman: Thomas Mellan

10:45 – 11:00 **Ola Hekselman** – “A New Solution to Lead Recycling Problem”

11:00 – 11:15 **Rowena Brugge** – “Local chemical degradation processes and ionic transport in all-solid-state batteries”

11:15 – 11:30 **Samantha Hood** – “Impact of quantum anharmonicity on the internal structure of ZnO”

11:30 – 11:45 **Sponsor talk (PCS)** – TBC

11:45 – 12:15 Coffee Break and Poster Session - room G01

Session 2 – Room G.20

Chairman: Federico Pesci

12:15 – 12:30 **Elena Moroz-Omori** – “Light-Controlled CRISPR/Cas9 Gene Editing”

12:30 – 12:45 **Sudha Joseph** – “Influence of load hold on dislocation mechanisms in fatigue of a titanium alloy Ti6242”

12:45 – 13:00 **Sponsor talk (Mettler Toledo)** – “Mettler Toledo as a Workplace”

13:00 – 14:00 Lunch and Poster Session – room G01

Session 3 – Room G.20

Chairman: Axel Moore

14:00 – 14:15 **Vivian Tong** – “Rapid EBSD: microstructural ‘painting by numbers’”

14:15 – 14:30 **Stefano Mezzavilla** – “Structure Sensitivity in the Electrocatalytic Reduction of CO₂ with Gold Catalysts. Current Understanding and Future Challenges”

14:30 – 14:45 **Daniel King** – “The formation and structure of Fe-Mn-Ni-Si solute clusters and G-phase precipitates in steels”

14:45 – 15:00 **Sponsor Talk (Nuclear National Labs)** – “The National Nuclear Laboratory Perspective”

15:00 – 15:30 Coffee Break and Poster Session – room G01

Session 4 – Room G.20

Chairman: Camilla Stitt

15:30 – 15:45 **Dimitra Georgiadou** – “Flexible Nanoscale Electronic Devices Fabricated with Coplanar Electrodes”

15:45 – 16:00 **Valerio Vitale** – “Towards user-intervention-free computation of material properties”

16:00 – 16:15 **Sponsor talk (Zeiss)** – TBC

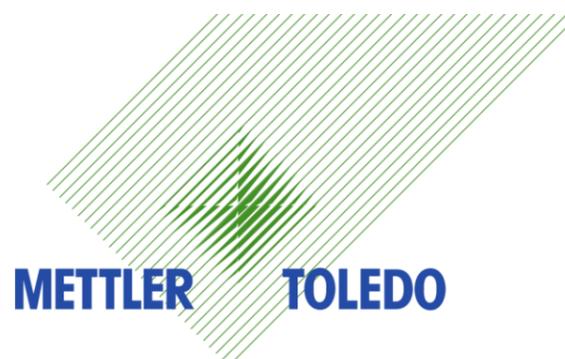
16:15 – 16:30 Closing Remarks by **Prof. Peter Haynes** (HoD)

16:30 – 18:00 Prize Ceremony and Drinking Reception – room G01

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