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’”
14:30 – 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

15:45 – 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