

MSGSD 2020 Programme

Thursday, February 20, 2020

- 08.30 - 09.00 Registration and mounting of posters
- 09.05 - 09.25 Welcome – *Angelica Avella and Erika Steyn*;
Presentation by Materials Science Area of Advance: *Leif Asp - Area of Advance co-director*

Morning session

Chaired by *Christopher Sauer*; Opponents: *Alexander Leicht, Pierre Carmona, Rasmus Laven*

- 09.30 - 10.00 Invited talk: *Helena Berg - CEO and founder of AB Libergreen*
- 10.05 - 10.35 COFFEE and poster mingle
- 10.40 - 10.55 1. Waste is the new fuel - *Julien Phother-Simon*
- 11.00 - 11.15 2. The gas as a parameter of the Laser-Powder Bed Fusion process - *Camille Pauzon*
- 11.25 - 11.40 3. Order and disorder in materials: What's it all about? - *Mattias Ångqvist*
- 11.45 - 12.00 4. Aqueous Organic Redox Flow Batteries - *Cedrik Wiberg*
- 12.00 - 13.00 LUNCH and poster mingle

Early afternoon session

Chaired by *Erika Steyn*; Opponents: *Bashar Haseeb, Ehsan Hosseini, Joakim Brorsson*

- 13.05 - 13.35 Invited talk: *Fang Liu - Docent at the division of Materials and Manufacture*
- 13.40 - 13.55 5. Cellulose composites - *Lillian Forsgren*
- 14.00 - 14.15 6. Nanoparticles: where simulations and experiments have just started to meet - *Magnus Rahm*
- 14.25 - 14.40 7. Spinning of lignin-cellulose carbon-fiber precursors - *Jenny Bengtsson*
- 14.45 - 15.00 8. Weld-cracking in a cast Ni-based superalloy - *Sukhdeep Singh*
- 15.00 - 15.30 COFFEE and poster mingle

Late afternoon session

Chaired by *Angelica Avella*; Opponents: *William Hearn, Martin Karlsmo, Giulio Calcagno*

- 15.35 - 15.50 9. Investigation of the electrochemical behavior of Nb-doped TiO₂ microbeads in ionic liquid electrolytes for next-generation hybrid supercapacitors - *Simon Lindberg*
- 15.55 - 16.10 10. Sintering of iron powder - *Swathi Manchili*
- 16.20 - 16.35 11. Processing of nanocellulose reinforced thermoplastics - *Abhijit Venkatesh*
- 16.40 - 17.15 Lab tours at IMS, as selected at registration
- 17.45 - 21:00 Buffet dinner at Hyllan

* NOTE: Abstract booklet will be available online on the MSGSD Chalmers page