

MATERIALS FOR TOMORROW 2018

Program

Thursday Nov 8

Location: Palmstedsalen, student union building

08:45 - 09:00

Welcome address
Aleksandar Matic

Chair: Aleksandar Matic

09:00 - 09:30

Chemical functionalization harnesses graphene going beyond graphene
Xiaoyan Zhang, Chalmers

09:30 - 09:50

Iron-nitrogen containing carbon catalysts for oxygen reduction in fuel cells
Caroline Janson, Chalmers

09:50 - 10:10

Homogenization Method for 2-D Nano-Structure Reinforced Epoxy
Brina Blinzler, Chalmers

10:10 - 10:40

Coffee break

Chair: Martin Andersson

10:40 - 11:20

Antimicrobial Material Based on Segmented Polyurethane
Mattias Berglin, Rise

11:20 - 11:40

Antibacterial Materials for Preventive Care
Anand Kumar Rajasekharan, Amferia

11:40 - 12:00

OTHO the new low molecular weight gelator
Henrik Sundén, Chalmers

12:00 - 14:00

Lunch with poster session and photo contest exhibition

Chair: Leif Asp

14:00 - 14:40

Advanced Electron Microscopy for Novel Materials
David J Smith, Arizona State University

14:40 - 15:00

Characterization of Injection-Moulded Polymer Materials Using SAXS Imaging
Marianne Liebi, Chalmers

15:00 - 15:20

Polysaccharides as key components in sport drinks
Anna Ström, Chalmers

15:20 - 15:40

Coffee break

15:40 - 16:00

Sustainable metals for future mobility
Martina Petranikova, Chalmers

16:00 - 16:20

Plasmonic Electronic Paper
Andreas Dahlin, Chalmers

17:30-

Dinner at OOTO for registered participants

Friday Nov 9

Location: Scaniaalen, student union building

Chair: Maria Abrahamsson

09:00 – 10:15 *From Nanophysics research to commercialization of nanotechnology*
Lars Samuelson, Nanolund, Lund University
Mikael Björk, SolVoltaics

10:15 - 10:45 Coffee break

10:45 - 11:15 *Hierarchical films from cellulose*
Tiina Nypelö, Chalmers

11:15 – 12:00 *Tailoring responsive interactions of core-shell nanoparticles for biomedical applications*
Erik Reimhult, Universität für Bodenkultur, Vienna

12:00 - 13:20 Lunch

Chair: Eva Olsson

13:20 - 13:50 *Imaging Electric and Magnetic Fields via Holography*
Martha R McCartney, Arizona State University

13:50 - 14:20 *Alkaline Membrane Fuel Cells*
Rakel Wreland Lindström, KTH Royal Institute of Technology

14:20 - 14:50 *Replacing classical lenses with micro- and nanostructured surfaces*
Niklas Hansson, NIL technologies

14:50 - 15:00 Presentation of winners from poster and photo contest
Mats Hulander
Closing remarks
Maria Abrahamsson