

WWSC Workshop June 2022

June 20 – 22

Marstrands Havshotell, Marstrand

Monday June 20

- 10.15 *Bus from Gothenburg C to Marstrand Havshotell*
- 12.00 *Lunch*
- 13:00 Welcome address**
Eva Malmström, Center Director
- 13:30 Research and Innovation – Overview of the Wallenberg Launchpad**
Sandor Albrecht, KAW WALP
- 14:50 *Break (possibility to check in to hotel room)*
- 15:20 Relating cell wall nanostructure to mechanical properties: experiments and modeling**
Daniel Cosgrove, Pennsylvania State University, USA (*via Zoom*)
- 16:00 Pitch session**
- 17:00 Poster session 1**
- 18:00 Poster session 2**
- 19:00 *Dinner*

Tuesday June 21

- 09:00 Spatial distribution of functional groups in cellulose derivatives by DNP-enhanced solid-state NMR spectroscopy**
Staffan Schantz, AstraZeneca, Sweden
- 09:40 Functional wood materials: keeping up with sustainability challenges**
Ingo Burgert, ETH Zürich, Switzerland
- 10:20 *Break*



- 10:50** **Biomedical devices based on cellulose nanocomposites**
Mary Donahue, LiU
- 11:20** **Solution-processed optoelectronic devices: on cellulose-based substrates in the future**
Feng Gao, LiU
- 12:10 *Lunch*
- 13.00 *Free time to visit Marstrand*
- 16:00** **Synchrotron X-ray Technologies to Assist Our Understanding of Nanocellulose Science and Applications**
Benjamin Hsiao, Stony Brook University, USA (*via Zoom*)
- 16:40** **Bacteria and fungi: advantages and disadvantages for lignin valorization**
Davinia Salvachúa, National Renewable Energy Laboratory (NREL), USA (*via Zoom*)
- 17.20 *End of day 2*
- 18.00 *Dinner at Sillsalteriet ([ca 20 min walk, Malepertsgatan 7](#))*

Wednesday June 22 .

- 09.00 *Latest check out from hotel room*
- 09:00** **Fundamental interactions in cellulose**
Jakob Wohlert, KTH
- 09:40 *Break (WWSC Lg meeting)*
- 10:40** **Building up data-driven foundations for customizable trees**
Stefania Giacomello, KTH
- 11:20** **Forest feedstocks with improved or new properties**
Hannele Tuominen, SLU (*via Zoom*)
- 12:00** **Concluding remarks**
- 12:10 *Lunch*
- 13:30 *Bus leaving Marstrands Havshotell, arriving at Gothenburg C
ca 14.30 – 15.00*

