



Sustainable Solutions in Chemical Sciences

RSC symposium 2023

Auditorium Argentum
Aurum, Henrikinkatu 2, Turku
January 24, 2023

Participation is free. Registration is mandatory, at <https://tinyurl.com/SusSolChem> by 19th, January

The Symposium is hybrid. A Zoom link for on-line participation is provided with registration.

Participants are invited to present their work and compete for the best poster prize.

Welcome!

09:45 Arrival at the Auditorium Argentum, First floor in Aurum

10.00 Opening talk, Prof. Reko Leino (Vice Rector, Åbo Akademi University)

Morning session: Chair Prof. Henrik Grénman

10.15 CO₂ as a C1 building block, Prof. Timo Repo (University of Helsinki)

11:00 Reaction engineering aspects in the low-temperature transformation of biomass to valuable molecules, Academy Prof. Tapio Salmi (Åbo Akademi University)

11.35 Synthetic chemistry in tailor-made microbes, Prof. Jan Deska (University of Helsinki)

12.10 METNIN™ Lignin refining technology for sustainable bio-based products, Dr. Liji Sobhana (MetGen)

12.35-13.35 Lunch break /Poster exhibition

Afternoon session I: Chair Prof. Kristiina Wähälä

13.35 Computational chemistry and machine learning to support materials discovery for flow batteries, Prof. Kari Laasonen (Aalto University)

14.05 TBA- Peljo Battery Materials Group (University of Turku)

14.30-14.50 Coffee break/Poster exhibition

Afternoon session II: Chair Dr. Emil Rosqvist

14.50 Nanomaterial design in the development of novel thin film solar cells, Docent. Jan-Henrik Smått (Åbo Akademi University)

15.15 TBA, Valter Wigren (Renotech Oy)

15.40 Added value of biocolorants in applications, Dr. Paula Nousiainen (Aalto University)

16.05 New materials for carbon dioxide conversion, Prof. Carita Kvarnström (University of Turku)

16:30 Closing and awards

16:40 Laboratory tour within ÅA and UTU facilities

