



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 20th, 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: Dr. Eduardo Martínez González- 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

