

2nd Seminar in Hydrogen Research Forum Finland

“System level changes in hydrogen transition”

Lappeenranta, LUT University, August 7–8, 2023

Preliminary list of participants (tbc)

European Commission

Ismo Ulvila

LUT University

Olli Pyrhönen, Petteri Laaksonen, Pertti Kauranen, Christian Breyer, Antti Kosonen, Arto Laari, Tommi Rissanen, Mari Kallioinen-Mänttari, Jero Ahola, Mari Tuomaala, Santeri Pöyhönen, Lisa Ulvila, Tero Tynjälä, Eeva Lähdesmäki, Teemu Tuomisalo, Katja Hynynen, Rubab Zahra, Lauri Järvinen, Pietari Puranen, Hossein Enayatizadeh, Altti Meriläinen, Muhammad Asim Sarwar, Jaakko Hyypiä, Anafi Aini

VTT

Jari Kiviaho, Antti Arasto

Aalto University

Mika Järvinen, Annukka Santasalo

University of Oulu

Eva Pongracz, Arto Maaninen, Antonio Calò, Mahmoudzadeh Andwari, Henri Pauna, Marko Huttula, Timo Fabritius, Sadegh Mehranfar

Tampere University

Yrjö Majanne, Kai Hämäläinen, Amirhossein Zabihi

YTM-Industrial

Petteri Lehto

Åbo Akademi University

Henrik Saxén

University of Vaasa

Carolin Nuortila, Maarit Mäkelä, Jeyoung Kim

University of Turku

Pekka Peljo, Eduardo Martínez González, Ali Tuna, Qiujun Li, Mousumi Dey

UPM

Petri Hyyryläinen

Fortum

Eira Seppälä, Pekka Pirhonen

Luonnonvarakeskus

Saija Rasi, Markku Vainio

Kemira Chemicals

Janne Tynninen

ABB

Ismo Laukkanen

Energiateollisuus

Heikki Lindfors

Petteri Haveri

Aalto University

Hassan Sayed Ahmed, Simo Pekkinen

How to reach Lappeenranta Campus

Hotels from Lappeenranta city center:

Scandic Patria

- A discount can be claimed with code “BLES070823”. Either use the link <http://www.scandichotels.fi/?bookingcode=BLES070823> or contact the hotel by phone or e-mail and mention the code. Prices: 105€/night for a single person room and 125€/night for a two-person room. No fixed quota available; availability not guaranteed!

Hotel Rakuuna

- A limited number of rooms available for a cheaper price with code “LES summer school”. Reservation should be done by contacting the hotel directly either by phone or e-mail. Prices: 120 €/room/night for one person, and 132€/room/night for two people in total. 13 *twin* rooms and 12 *double* rooms available in the quota.

Sokos Hotel Lappee



Program

Monday, August 7

16:00 – 16:30

Laboratory introduction @ Lecture Room 1314

LUT PtX laboratory investment (Pertti Kauranen, LUT)

16:30 – 18:00

Lab visits

Hydrogen Laboratory

Gas Processing Laboratory

Membrane CO₂ Capture Laboratory

19:00 – 22:00

Dinner @ Cruise with M/S Saimaa Margareta on lake Saimaa, (Menu tbd)

Max. 50 persons

Tuesday, August 8 @ Lecture Room 2310 ([LIVE STREAM](#))

09:00 – 10:20

Keynote session

Opening remarks (Rector Juha-Matti Saksa, LUT)

Strategy of EU energy regulation, important steps and the future (Ismo Ulvila, European Commission)

Energy transition in forest industry (Petri Hyryläinen, UPM)

Global energy transition (Christian Breyer, LUT)

10:20 – 10:40

Coffee Break outside room 2310

10:40 – 12:00

Operation of water electrolysis

Flexible hydrogen production (Pekka Peljo, UTU)

Next generation H₂ technologies – Design, manufacturing, and operation of 10 kW rSOC system (Jari Kiviaho, VTT)

Solar- and wind-based hydrogen generation in off-grid (Antti Kosonen, LUT)

12:00 – 13:00

Lunch Break @ LUT Buffet

13:00 – 14:20

Hydrogen as a key component

Hydrogen as an interacting component of future energy system (Yrjö Majanne, TAU)

Hydrogen value chain (Mika Järvinen, Aalto)

Hydrogen as part of an integrated energy system: Key requirements for a social license to operate (Eva Pongracz, UO)

VEBIC laboratories available for research into hydrogen-driven marine and peaking power (Carolin Nuortila, UWASA)

14:20 – 14:40

Coffee Break @ LUT Galleria Hall

14:40 – 16:45

Poster session @ LUT Galleria Hall