



Swedish
Electricity Storage
and Balancing Centre



2nd Summer School

19–21 August 2025 @ Chalmers University of Technology

19 August - HYDROGEN AS AN ENERGY CARRIER

11:00–12:00	Registration
12:00–13:00	Lunch
13:10–13:15	Welcome!
13:15–14:00	Björn Aronsson (Vätgas Sverige). "Hydrogen, yet another hype?"
14:00–14:05	Short break
14:05–14:50	Exercise with Björn
14:50–15:20	Coffee break
15:20–16:05	Maria Grahn (Chalmers). "Energy carriers compared"
16:05–16:10	Short break
16:10–16:50	Exercise with Maria
17:00–17:45	Mathilde Luneau (Chalmers). "Basic electrochemical methods"
17:50–18:30	Exercise/tutorial with Mathilde
19:00-	Dinner for all @ Ölstugan Tullen, Johanneberg



SESBC Summer School (Day 1)

20 August - PEM DEVICES

TRACK 1 - SINGLE CELLS AND STACKS	TRACK 2 - SYSTEMS AND APPLICATIONS
Morning session 09:00–12:00	Morning session 09:00–12:00
9:00–9:45 David Sedarski (Chalmers) "Key components in PEM fuel cells"	9:00–9:45 Lisa Göransson (Chalmers) "PEM devices at the system level"
09:45–09:50 Short break	09:45–09:50 Short break
09:50–10:35 Exercise with David	09:50–10:35 Exercise with Lisa G
10:35–11:00 Coffee (+ pralines)	10:35–11:00 Coffee (+ pralines)
11:05–11:50 Fabian Wenger (Smoltek) "Key components in PEM electrolyzers"	11:05 – 11:50 Lisa Kylhammar (PowerCell Group) "Fuel cells for transport, aviation and maritime applications"
12:00–13:30 Lunch	12:00–13:30 Lunch
Afternoon session 13:35–17:00	Afternoon session 13:35–17:00
13:35–14:30 Exercise with Fabian	13:35–14:30 Exercise with Lisa K
14:35–15:00 Coffee break (+ pralines)	14:35–15:00 Coffee break (+ pralines)
15:05–15:50 Olesia Danyliv (RISE) "Fuel cells and other activities at RISE"	15:05–15:50 Theresa Falkendal (Hydri Solutions AB) "Living on- or off-grid? That is the problem"
15:50–15:55 Short break	15:50–15:55 Short break
15:55–16:40 Exercise with Olesia	15:55–16:40 Exercise with Theresa
16:40–17:00 Popular science presentation by PhD student Paul Imgart	
18:00–19:30 Dinner for all @ Saluhallen, Liseberg Grand Curiosa Hotel	



21 August - BROADER & INTERNATIONAL PERSPECTIVES

08:30–09:15	Magnus Skoglundh (Chalmers) – Competence Centre of Catalysis (KCK)
09:20–10:05	Tomas Grönstedt (Chalmers) – Competence Centre of Hydrogen based technologies (Tech ₄ H ₂)
10:10–10:25	Coffee break
10:30–11:40	Christina Roth (Bayreuth Universität, Germany). In-operando X-ray methods to understand performance and degradation in fuel cells and electrolyzers.
11:45–12:30	Luis M. Varela (Santiago de Compostela, Spain) – Hydrogen initiatives in the Galician region and at the University in Santiago (Spain)
12:30–13:30	Lunch
13:30–...	Travel back!

