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
Afternoon session 13:00–18:00	Welcome!
	Pawel Seremak (Vätgas Sverige). "Hydrogen, yet another hype?"
	Exercise with Pawel
	Coffee break
	Maria Grahn (Chalmers). "Energy carriers compared"
	Exercise with Maria
	Mathilde Luneau (Chalmers). "Basic electrochemical methods"
	Exercise with Mathilde
19:00-	Dinner for all

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
David Sedarski (Chalmers) "Key components in PEM fuel cells"	Lisa Göransson (Chalmers) "PEM devices at the system level"
Exercise with David	Exercise with Lisa G
Coffee break (+ pralines)	Coffee break (+ pralines)
Fabian Wenger (Smoltek) "Key components in PEM electrolysers"	Lisa Kylhammar (PowerCell Group) "Fuel cells for transport, aviation and maritime applications"
12:00–13:30 Lunch	12:00–13:30 Lunch
Afternoon session 13:30–17:00	Afternoon session 13:30–17:00
Exercise with Fabian	Exercise with Lisa K
Coffee break (+ pralines)	Coffee break (+ pralines)
Olesia Danyliv (RISE) "Fuel cells and other activities at RISE"	Theresa Falkendal (Hydri Solutions AB) "Living on- or off-grid? That is the problem"
Exercise with Olesia	Exercise with TBA
17:30 - Dinner for all @ Ölstugan Tullen Johanneberg	

21 August - BROADER & INTERNATIONAL PERSPECTIVES

Morning session 08:30–12:30	Christina Roth (Bayreuth Universität, Germany). In-operando X-ray methods to understand performance and degradation in fuel cells and electrolysers.
	Break
	Magnus Skoglundh (Chalmers) – Competence Centre of Catalysis (KCK)
	Tomas Grönstedt (Chalmers) – Competence Centre of Hydrogen based technologies (Tech$_4$H$_2$)
	Coffee
	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

SESBC Summer School (Day 1)

SESBC Summer School (Day 2)

SESBC Summer School (Day 3)