

LTU CH2ESS Research Days 2026

26–27
August

Vetenskapens Hus,
Storgatan 53,
Luleå city center



Photo: All Valizadeh

Join us for two half days of insights, exchange and inspiration as we explore the latest research and developments in hydrogen. The event gathers researchers, companies, and public stakeholders to discuss hydrogen generation, distribution, safety, permit processes, materials, and further research needs.

This year's keynote speaker is Prof. Dr. Bruno G. Pollet, CH2ESS international scientific advisor, Co-Director of the Hydrogen Research Institute and Director of the Clean Hydrogen Lab at the Université du Québec à Trois-Rivières in Canada. The program also features poster pitches, panel discussions, company perspectives, and an optional afternoon session on power grid capacity for hydrogen production. Welcome to join the Wednesday evening with INNOVATION as a theme! Get inspiration on how to transfer excellent ideas to export products.

Moderated by Cecilia Wallmark, Director of CH2ESS. As always, each research presentation will be discussed on stage with selected representatives from the industry and stakeholders!

We look forward to seeing you in Luleå!



Registration:

[LTU CH2ESS Research Days 2026 | Luleå tekniska universitet](#)



AT LULEÅ UNIVERSITY OF TECHNOLOGY



Day 1 – Wednesday 26 August 2026

Time	Title	Project	Subject	Presenter
12:30-13:00		COFFEE		
13:00-13:30	Welcome	CH2ESS & The national Excellence cluster Hydrogen SIC!	Hydrogen research, education and visions 2026	Director Dr. Cecilia Wallmark and management team
13:30-14:00	Research		Global Insights: Driving CRM and Innovation in the Hydrogen Sector	Dr Prof. Bruno Pollet, CH2ESS Intl. scientific advisor. Global Insights: Driving CRM and Innovation in the Hydrogen Sector
14:00-14:30		Poster-pitches on projects & research subjects	Welcome to join the cavalcade!	LTU CH2ESS Researchers
14:30-15:00		COFFEE		
15:00-15:30	H2 Production	H2BRIDGE	Have you heard about water photolysis for H2 production?	Prof. Alberto Vomiero
15:30-15:50		H2LABS	The LTU Green Fuels hydrogen innovation site	Fredrik Granberg
15:50-16:00		CANDY		
16:00-16:50	Safety & Processes in society	H2SIPP	How to improve the hydrogen safety and permit processes! Public acceptance and the role of knowledge.	Prof. Maria Pettersson, Rhoda Afriyie Mensah, Prof. Simon Matti. Andrea Correa, Lucas Andersson.
16:50-17:50	Innovation		Innovation theme – welcome to an inspiring interactive workshop	
17:50-20:00		MINGEL - food		

Day 2 – Thursday 27 August 2026

Time	Title	Project	Subject	Presenter
08:00-08:30		Morning coffee		
08:30-08:50	Energy, storage, material	HERo – Hydrogen Embrittlement in Rolling Element Bearings	The first started and finished CH2ESS seed project!	Lisa-Marie Weniger
08:50-09:50		H2AMN & SUV & Hydrogen in marine propulsion systems, Gotland	Hydrogen in ports, in line rock caverns and the refuelling of vessels	Jim Allansson, Prof Ping Zhang, LTU, Vasiola Zhaka; Uppsala University.
09:50-10:20		COFFEE		
10:20-11:20	Knowledge	H2OW	Do you know H2OW? About the knowledge gaps in the society - and the plan to close some gaps	
11:20-11:50	Market		Companies – market and research	LKAB, Vattenfall, Skellefteå Kraft ...
11:50-12:00			Conclusion by the Steering group	
12:00-13:00		LUNCH		
13:00-16:00	Optional!	SEED PROJECT PRESENTATIONS	The technical deep-dive for the thirsty audience	Material science, electric power, energy engineering, control of systems etc.



The research within CH2ESS covers the entire value chain for hydrogen, i.e. the power system, production, distribution, storage and use of hydrogen. We are accelerating hydrogen, with cutting-edge technical expertise in combination with multidisciplinary research, collaborations and applied research.



<https://www.ltu.se/en/research/centres-of-excellence-and-collaborations/centre-for-hydrogen-energy-systems-sweden>

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Keynote speaker



Prof. Dr. Bruno G. Pollet

International scientific advisor. Prof. Dr. Bruno G. Pollet has worked on Hydrogen Energy

in the UK, Japan, South Africa, Norway, and Canada, and has both industrial and academic experience. He is currently a Full Professor of Chemistry, Co-Director of the Hydrogen Research Institute and Director of the Clean Hydrogen Lab at the Université du Québec à Trois-Rivières in Canada. He also holds an NSERC Tier 1 Canada Research Chair in Clean Hydrogen. He is a member of the Council of Engineers for the Energy Transition, An Independent Advisory Council to the United Nations' Secretary-General and the Council's Hydrogen Task Force

leader. He is Executive Vice President of the International Association for Hydrogen Energy (IAHE), President of the Clean Hydrogen Division of the IAHE, Board member of the Canadian Hydrogen Association and Board member of the Canadian Hydrogen Safety Centre. He recently joined CH2ESS as an International Scientific Advisor. He also sits on several industrial, research institution, and other association boards. He has over 400 publications, including peer-reviewed articles, conference papers, book chapters and books as an author and an editor.



**Associate Professor,
Dr. Cecilia Wallmark**

Director of CH2ESS, with over 25 years of experience in the hydrogen area will moderate the event.



**Centre for
Hydrogen
Energy Systems
Sweden**

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