

## Winter school at Tohoku University, Japan

18th-21th February, 2025

UTFORSK project:

“HyTack: Tackling the challenges in the Hydrogen economy through education and research”.

Hybrid on-line / off-line event

Registration deadline January 24th, 2025

[https://docs.google.com/forms/d/e/1FAIpQLSddDM0VhobCS4Z4N28peZ6vPQ0o9kpcTo61y4Ae5CMfdUDPbg/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSddDM0VhobCS4Z4N28peZ6vPQ0o9kpcTo61y4Ae5CMfdUDPbg/viewform?usp=sf_link)

### Program

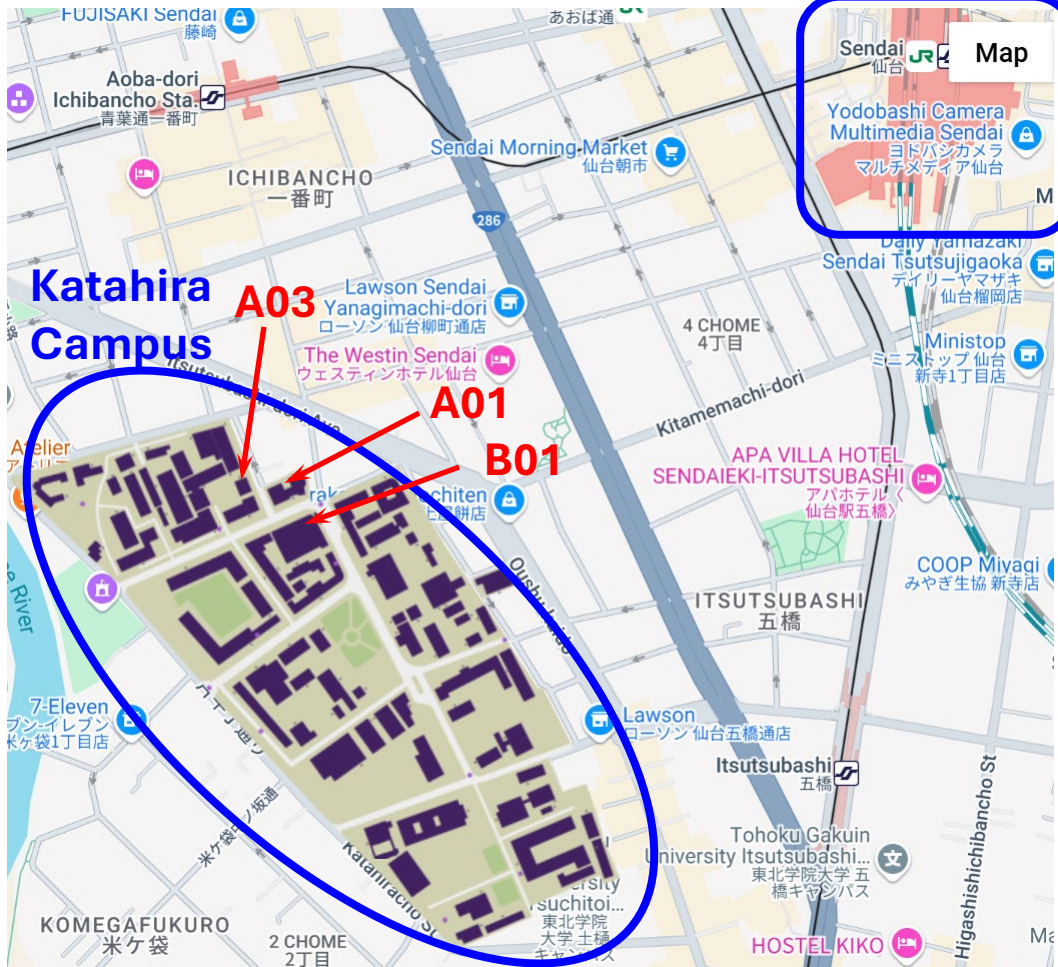
Day 1: Tuesday, February 18th	
08:30-10:00	Registration
10:00-10:15	Opening
10:15-11:00	Hydrogen storage technologies Olena Zavorotynska
11:00-11:15	Coffee break
11:15-12:00	Complex hydrides for hydrogen storage Bjørn C Hauback
12:00-13:30	Lunch
13:30-14:15	Presentation (Invited 1)
14:15-15:00	TBA Kirandeep Singh
15:00-15:15	Coffee break
15:15-16:00	Hydrogen Storage in Metal Hydrides: Challenges and Possibilities for the Maritime Sector Stefano Deledda
16:00-16:45	Intermetallic compounds as hydrogen storage materials Toyoto Sato

Day 2: Wednesday, February 19 <sup>th</sup>	
09:00-10:30	Group work
10:30-10:45	Coffee break
10:45-12:15	Group work
12:15-14:15	Lunch
14:15-15:00	Presentation (Invited 2)
15:00-15:45	Molecular homogenous catalysts for Hydrogen generation Avinash Kumbhar
15:45-16:00	Coffee break
16:00-16:45	Hydrogen purification technologies: from Steam reforming to electrolysis Sachin M. Chavan (online)
16:45-17:30	Prospects and challenges of methane cracking for hydrogen production Zhixin Yu (online)

Day 3: Thursday, February 20 <sup>th</sup>	
09:00-09:45	TBA Zen Maeno at Kogakuin University (Invited)
09:45-10:30	The Energy Flow – overview of the energy market 2023 and perspectives Agnieszka Lach
10:30-10:45	Coffee break
10:45-11:30	Presentation (Students)
11:30-12:15	Group work presentation
12:15-13:30	Lunch
13:30-14:15	Group work presentation
14:15-15:00	Group work presentation
15:00-15:15	Coffee break
15:15-16:00	Group work presentation
18:00-21:00	Banquet (in Sendai)

Day 4: Friday, February 21 <sup>th</sup>	
09:00-11:30	Sendai to Tokyo
11:30-13:00	Lunch (in Tokyo)
13:00-17:00	FC-EXPO (Tokyo Big sight)
18:00-20:00	Dinner (in Tokyo)

# Sendai Station



Address : 2-1-1 Katahira, Aoba-ku, Sendai, Miyagi, 980-8577, JAPAN

Campus : Katahira Campus

18 and 19 Feb. : Seminar room at 2nd floor, AIMR main building (B01)

20 Feb. : Seminar room at 2nd floor, IMR International Center of Educational Research (A03)

Lunch : University House Katahira (A01)

URL : <https://www.tohoku.ac.jp/map/en/>