

## Online

<https://www.h2-saarland.de/en/veranstaltungen/summerschool>

## Contact person

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## Event location



Europa Jugendherberge  
Meerwiesertalweg 31  
66123 Saarbrücken

## Fee

### Students

375 € accommodation in a single room  
250 € accommodation p.p. sharing a double room\*  
150 € without accommodation

### Doctoral candidates, Post-Docs, Industrial Members

600 € accommodation in a single room  
400 € accommodation p.p. sharing a double room\*  
300 € without accommodation

\*You can book half a double room and share it with another participant of the same sex (separate beds).

## The fee also includes the following services

Course documents (download)  
Certificate of attendance  
All meals; refreshments during breaks  
Participation in the supporting programme

## Cancellation

Cancellation is free of charge until June 12, 2026.  
In case of later cancellation or no-show,  
the entire fee will be charged.

Ministerium für  
Wirtschaft, Innovation,  
Digitales und Energie  
**SAARLAND**



# Topic & Aim

Green hydrogen is one of the most important building blocks for ensuring climate neutrality in industry, transport, trade and households. The first Saarland Summer School is dedicated to the topic of decarbonising industry using green hydrogen, highlighting the opportunities and risks of the upcoming transformation.

The Summer School is designed and planned as an international education and networking format that addresses the future of green hydrogen and its role in the decarbonisation of industry and energy systems. The Summer School combines technical expertise with educational standards and intercultural learning, promoting collaborative learning across disciplines, languages and cultures. Through intensive teaching units, discussions, workshops and excursions, participants benefit from a reflective, experience-based learning approach that strengthens their knowledge, mindset and communication skills in equal measure.

The programme is conducted in English with an international and interdisciplinary focus and comprises around 45 teaching units. Depending on the individual regulations of each university, participating students should have the opportunity to earn 3 ECTS\*\* credits through their participation.

\*\*The organisers propose awarding 3 ECTS credits for the complete summer school; approved by the home university

in Cooperation with



# 1. Saarland Summer School 2026

**'Decarbonisation of industry  
and energy supply through  
hydrogen**

**– opportunities and risks of the  
green transformation'**

05.07.2026 - 11.07.2026  
in Saarbrücken

**H<sub>2</sub>saar**  
SAARLÄNDISCHE  
WASSERSTOFFAGENTUR  
GMBH

# Programme

Sunday 5th July 2026

Arrival

Monday 6th July 2026

**08:30 - 08:45**

Welcome and introduction, organisational matters, Q&A  
*H2-Saar*

**08:45 - 09:15**

„1<sup>st</sup> H2Saar summer school:  
general introduction, topics and objectives”

*Bodo Groß (H2-Saar)*

**09:15 - 10:00**

Germany's Saarland – hydrogen potential analysis and  
hydrogen strategy *Bettina Hübschen (H2-Saar)*

**10:00 - 10:30 Coffee break**

**10:30 - 11:15**

Hydrogen production I: „Hydrogen production via a new  
two stage pyrolysis“ *Allan Niidu (TU Tallinn)*

**11:15 - 12:00**

Hydrogen production II „Electrolysis of grey water”  
*David Rooney (Queens University Belfast)*

**12:00 - 13:30 Lunch break**

**13:30 - 14:15**

Hydrogen production III: „Solid oxide fuel-assisted electrolysis  
cells (SOFC) – an innovative technology for generating  
hydrogen from biogas” *Michael Bampaou (CERTH)*

**14:15 - 15:00**

Hydrogen production IV: „Characterization, modelling, and aging of  
PEM-electrolysers”

*Damien Guilbert (Uni Le Havre Normandie)*

**15:00 - 15:30 Coffee break**

**15:30 - 16:15**

„Funding applications – how to apply successfully within the  
European funding programmes” *Hager Bassyouni (Hezelburcht)*

**16:15 - 17:00**

„Hydrogen activities in Ireland and beyond – a transnational  
network approach” *Paul McCormack (H2IRL)*

**17:00 - 18:30 Free time**

**18:30 -**

Evening programme: barbecue; incl. keynote speech  
„European hydrogen policy”

*Jorgo Chatzimarkakis (Hydrogen Europe)*

Tuesday 7th July 2026

**08:30 - 12:00**

Excursion: Dillinger steel works: „Power4Steel – green  
transformation of Dillinger steel works” (project  
presentation and plant tour)

*Konrad Wohlfarth (Steel Holding Saar)*



**12:00 - 13:30 Lunch break at Dillinger steel works**

**13:30 - 17:00**

Excursion: MINT Campus Alte Schmelz St. Ingbert  
„Historical beginnings of steel production and  
hydrogen experiments in the laboratory”

*Rolf Hempelmann & MINT Campus Team*



**18:30 Dinner**

Wednesday 8th July 2026

**08:30 - 09:15**

Hydrogen activities in the border triangle Germany-France-  
Switzerland *Nikola Schwarzer (Klimapartner Südbaden e. V.)*

**09:15 - 10:00**

H2 Gaming

*Wim Timmerman (Hanze Groningen)*

**10:00 - 10:30 Coffee break**

**10:30 - 11:15**

„Additive Manufacturing (3D printing)” *Michael Wahl (UCB)*

**11:15 - 12:00**

Hydrogen activities in Luxembourg  
*Stefan Maas (University of Luxembourg)*

**12:00 - 13:30 Lunch break**

**13:30 - 14:15**

Interreg A Greater Region project „PACT-H2”  
*Bettina Hübschen (H2-Saar)*

**14:15 - 15:00**

Interreg A Greater Region project „GD-GR Green Deal in the  
Greater Region” *Feriel Mustapha (IZES)*

**15:00 - 15:30 Coffee break**

**15:30**

Excursion: Erlebnisbergwerk Velsen  
<https://www.erlebnisbergwerkvelsen.de/en>



Thursday 9th July 2026

**08:30 - 09:15**

Acceptance theory „General methods”  
*Jan Hildebrand (IZES)*

**09:15 - 10:00**

Acceptance practice „LuxHyVal – The greater region  
hydrogen valley” *Mariangela Vespa (IZES)*

**10:00 - 10:30 Coffee break**

**10:30 - 11:15**

„Safety through visibility: Safety in handling hydrogen”  
*Sarah Wenderoth*

*(Fraunhofer-Institut für Silicatforschung ISC)*

**11:15 - 12:00**

Standards & regulation *Markus Lermen (DVGW)*

**12:00 - 13:30 Lunch break**

**13:30 - 14:15**

„Hydrogen Science Bridge: University of Koblenz  
- University of Western Australia”

*Miriam Voigt (Uni Koblenz)*

*Robert Panitz (HS Weihenstephan- Triesdorf)*

**14:15 - 14:30 Coffee break**

**14:30 - 16:30 - 3 parallel Workshops**

- WS1: Acceptance (*Jan Hildebrandt, Mariangela Vespa*)
- WS2: Safety aspects, standards & regulation  
(*Markus Lermen, Sarah Wenderoth*)
- WS3: Training needs – status quo and real requirements  
(*Miriam Voigt, Robert Panitz*)

**16:30 - 17:00**

Summary and conclusions

*Workshop leads*

**18:30 -**

Evening programme: fireside talk science park  
keynote speech *Deniz Alkan (state chancellor)*

Friday 10th July 2026

**08:30 - 09:15**

„The use of electrochemistry in the energy sector of the  
future” *Karolina Majewska (Warsaw University of Technology)*

**09:15 - 10:00**

„Exploration for natural hydrogen”  
*Peter Achtziger-Zupančič (Fraunhofer IEG)*

**10:00 - 10:30 Coffee break**

**10:30 - 11:15**

„Drilling for natural/white Hydrogen” *Antoine Forcinal (FDE)*

**11:15 - 12:00**

Hydrogen transportation I „Hydrogen Transport and  
distribution via pipeline” *Frank Gawantka (Creos)*

**12:00 - 13:30 Lunch break**

**13:30 - 14:15**

Hydrogen transportation II „Hydrogen Import –  
Intercontinental Hydrogen Transport by ship”  
*Waldemar Witt (H2-Saar)*

**14:15 - 15:00**

Wrap-up, outlook 2027 and farewell  
*H2-Saar*

**15:00 - 15:30 Coffee break & Free time**

**18:30 Optional dinner**

Saturday 11th July 2026

Departure