

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 19th, 2026.
In case of later cancellation or no-show,
the entire fee will be charged.



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 up to 3 ECTS** credits through their participation.

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

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

The summer school is recognised as a professional development course in the Federal State Saarland

• Staatskanzlei
SAARLAND



In Cooperation with



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

„1st H2Saar summer school:
general introduction, topics and objectives”
Bettina Hübschen & Bodo Groß (H2-Saar)

09:15 - 10:00

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

10:00 - 10:30 Coffee break

10:30 - 11:15

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

11:15 - 12:00

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

12:00 - 13:30 Lunch break

13:30 - 14:15

Hydrogen production IV: „Characterization, modelling, and aging
of PEM-electrolysers”
Damien Guilbert (Uni Le Havre Normandie)

14:15 - 15:00

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

15:00 - 15:30 Coffee break

15:30 - 16:15

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

16:15 - 17:00

„Hydrogen in Multi Energy Systems”
Georg Frey (Saarland University)

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

Hydrogen activities in Luxembourg
Stefan Maas (University of Luxembourg)

10:00 - 10:30 Coffee break

10:30 - 10:50

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

10:50 - 11:10

Activities in the Greater Region
Oliver Luksic (Grande Region Hydrogen)

11:10 - 11:40

Hydrogen Import Routes and Costs
Waldemar Witt & Cian Farrell (H2-Saar)

11:40 - 12:00

Discussion and Q & A

12:00 - 13:30 Lunch break

13:30 - 13:50

Interreg B North West Europe project „Green SKHy”
Clement Maury (afpa)

13:50 - 14:10

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

14:10 - 14:30

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

14:30 - 15:00

Discussion and Q & A

15:00 - 15:30 Coffee break

15:30 - 18:30

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



Thursday 9th July 2026

08:30 - 09:15

Acceptance theory „General methods”
Jan Hildebrandt (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”
Benedikt Schug
(Fraunhofer-Institut für Silicatforschung ISC)

11:15 - 12:00

Standards & regulation *Manuel Rotärmel (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
(Manuel Rotärmel, Benedikt Schug)
- 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

„Natural Hydrogen Discovery in the heart of Europe”
Antoine Forcinal (Française De l'Énergie)

11:15 - 12:00

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

12:00 - 13:30 Lunch break

13:30 - 14:15

„Hydrogen in the defense sector”

Pascal Strobel (Defense Economy Hub 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