

# Summer School Hydrogen Energy Technologies

Week of  
July 14-18, 2025

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

8 AM - 9 AM

**Breakfast and travel  
to day location**

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to day location**

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to day location**

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to day location**

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to day location**

9 AM - 12 AM

**Welcome Session  
@ O-WERK Bochum**  
Summer School Team

**Excursion**  
*Visiting E.ON with a Tour of the  
Innovative Substation  
(Umspannwerk der Zukunft)*  
Fabian Ottinger

**Lecture**  
*Hydrogen Production  
Pathways*  
Prof. Peter Strenzel

**Excursion**  
*Guided Tour Exploring the  
H2-Pipeline*  
E.ON & Schneider Electric

**Lecture**  
*Hydrogen Transport &  
Hydrogen Safety*  
Prof. Ingo Stadler

12 AM - 1 PM

**Lunch break**

**Lunch break**

**Lunch break**

**Lunch break**

**Lunch break**

1 PM - 4 PM

**Lecture**  
*Introduction to Hydrogen  
Energy Technologies*  
Prof. Thorsten Schneiders

**Lecture**  
*Energy Grids for Affordable and  
Clean Energy – The Game  
Changer for Sustainable Mobility*  
Paul Katsch (E.ON)

**Lecture**  
*Webtool for Electrolyzer Design &  
Hydrogen Storage*  
Prof. Peter Strenzel

**Excursion**  
*Visiting Germany's largest  
Steelmaker - ThyssenKrupp*

**Lecture**  
*Green Steel and other  
Hydrogen Applications*  
Moritz End

from 4 PM

**Free time**

**Free time**

**Free time**

**Free time**

**Free time**

TIME SCHEDULE

# Summer School Hydrogen Energy Technologies

Week of  
July 21-25, 2025

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

8 AM - 9 AM

**Breakfast and travel  
to day location**

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to day location**

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to day location**

9 AM - 12 AM

**Lecture**  
*Hydrogen in Chemical  
Industry & Green Ammonia  
and Fertilizers*  
Prof. Thorsten Schneiders

**Excursion**  
*H2 Tour in Dortmund*  
Wilo

**Lecture**  
*Economic Grids & IoT*  
Roman Höller, E.ON

**Excursion**  
*Visit to the EUREF Campus  
Düsseldorf*

**Lecture**  
*Renewable Energies  
in Politics*  
Prof. Manfred Wannöffel

12 AM - 1 PM

**Lunch break**

**Lunch break**

**Lunch break**

**Lunch break**

**Lunch break**

1 PM - 4 PM

**Lecture**  
*Modelling of electrolyzer  
systems with renewables  
power supply & H2 Mobility*  
Prof. Thorsten Schneiders

**Excursion**  
*Visit to the Iconic Industrial  
Heritage Zeche Zollern,  
Dortmund*

**Lecture**  
*Risk and crisis management  
in the hydrogen economy*  
Dr. Oliver Schillinger, Tobias  
Stein

**Excursion**  
*Düsseldorf Old Town Tour  
& Sightseeing*

**Closing & Certificates**  
Summer School Team

from 4 PM

**Free time**

**Free time**

**Free time**

**Free time**

**Free time**

TIME SCHEDULE