

# Enabling Resilient Power Systems – Flexible Hydrogen Production, Storage and Utilisation

## German-Australian Workshop



13:00, 10<sup>th</sup> Jun 2026 –  
14:00, 12<sup>th</sup> Jun 2026



University of  
Bayreuth,  
FZA building



## About this Workshop

Integrating flexible hydrogen systems into transportation, chemical processing, and the energy sector contributes to driving the clean energy transition while enabling resilient power systems. At the University of Bayreuth, hydrogen research bridges between academia and industry, making significant contributions to the further development of energy technologies. Following the successful workshop last year, which brought together leading researchers, industry experts, and technology providers from Germany and Australia to exchange ideas and initiate new collaborations, we are pleased to host the second edition of the HyBaCoM workshop. This year's workshop will further deepen the dialogue between academia and industry and expand the focus toward practical implementation and system-level integration. Organised within the framework of our project HyBaCoM - Design and Optimisation of Hybrid Hydrogen Battery Energy Systems for Community Microgrids, the workshop will once again convene a diverse group of experts and partners from Germany and Australia. Participants will exchange insights on the latest advancements in hydrogen production, renewable integration, hybrid energy storage systems, and grid simulation approaches, highlighting both research innovation and industrial applications. As part of the program, a site tour to the UBT Future Energy Lab Wundsiedel and the Wundsiedel Energy Park will take place. As one of the largest operational electrolysis plants in Germany integrated into a coupled energy system, it offers a unique opportunity to explore large-scale hydrogen deployment in practice.

## Details of the Event

- **Date:** 10<sup>th</sup> – 12<sup>th</sup> June 2026
- **Target Audience:** Experts and interested public from industry, academia and politics
- **Venue:** University of Bayreuth, FZA building, Room U.01, Universitätstr. 30, 95447 Bayreuth
- **Event language:** English
- **Participation fee:** None
- **Registration:** Link will be available soon

With funding from the:



Federal Ministry  
of Research, Technology  
and Space

## German-Australian Workshop

# “Enabling Resilient Power Systems – Flexible Hydrogen Production, Storage and Utilisation”

**Date:** 10<sup>th</sup> – 12<sup>th</sup> June 2026

**Venue:** University of Bayreuth, FZA building, Room U.01, Universitätsstr. 30, 95447 Bayreuth

### Preliminary Program:

#### Wednesday, June 10, 2026

13:00 Registration & Welcome

*Prof. Dr.-Ing. Dieter Brüggemann, Director of the Center of Energy Technology (ZET) at the University of Bayreuth*

13:30 Presentation Session I

15:00 Coffee Break

15:45 Presentation Session II

19:00 Networking Dinner in Bayreuth

#### Thursday, June 11, 2026

09:00 Keynote

*Prof. Dr. Mehdi Seyedmahmoudian, Director of Siemens Swinburne Energy Transition Hub, Swinburne University of Technology, Australia*

09:30 Presentation Session III

10:30 Coffee break

11:00 Presentation Session IV

12:30 Lunch at Mensa

14:00 Travel to Wunsiedel Energy Park

*Bus transfer (travel time approx. 1 hr) will be organised by University of Bayreuth*

15:00 Visit of UBT Future Energy Lab Wunsiedel GmbH

16:00 Site tour: PEM Electrolysis Plant

17:30 Transfer to Bayreuth for Dinner

19:30 Networking Dinner in Bayreuth

## Friday, June 12, 2026

09:00 Presentation Session V

10:15 Coffee break

10:45 Presentation Session VI

12:15 Summary and Conclusion

*Dr.-Ing. Matthias Welzl, Senior Research Associate, University of Bayreuth*

12:30 Lunch at Mensa

13:30 – 14:00 Lab tour (optional)