

## 32<sup>nd</sup> Stralsund Spring School FUSES in 2025

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### FUSES+ FUture Sustainable Energy Supply – based on renewable energy and hydrogen technology



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### Dates & Location

**19<sup>th</sup> & 20<sup>th</sup> March 2025** (online afternoon sessions)  
and **from 1<sup>st</sup> – 11<sup>th</sup> April 2025** (in presence at Stralsund University)  
day of arrival: 31.03. / day of departure: 12.04.

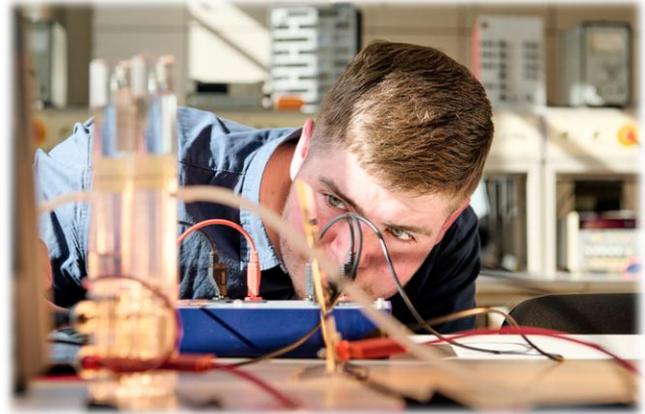
HOST – Hochschule Stralsund  
**University of Applied Science Stralsund**  
Institut für Regenerative EnergieSysteme – IRES  
**Institute of Renewable EnergySystems**  
Zur Schwedenschanze 15  
18435 Stralsund  
**Germany**

The spring school 2025 will mainly take place **in presence** plus two prior online afternoon sessions to get some theoretical input 1,5 weeks before the spring school will start in Stralsund.

## About the Stralsund Spring School FUSES 2025 - FUTURE SUSTAINABLE ENERGY SUPPLY

The FUSES 2025 Spring School is a two-week international training course focusing on renewable energy and hydrogen technology. In recent years, about 45 students from Estonia, Lithuania, Poland, Norway, Finland, the Netherlands, Brazil, Thailand and Germany took part.

The seminars cover all topics of renewable energy systems and hydrogen technology. This includes practical courses on hydrogen technology and renewable energies, simulation games on energy transition scenarios as well as an excursion to the Hanover Fair. The intensive programme is rounded up by intercultural evenings for students and lecturers.



In addition to participating in lectures excursion and labs, all international students will present their lab results, give a presentation on the energy situation in their home countries and take a final exam at the end of the two weeks, which they will receive 5 ECTS credits for.

### What's in it for you as a student?

These topics are covered by the 2-week seminars:

- Conversion and de-carbonization of electricity flows into sustainable energy and material cycles
- Utilization of renewable energy and feeding of volatile - green - electricity into the smart grids of the future
- Storage technologies for electric, heating/cooling and transportation systems
- The role, production and use of hydrogen as a clean energy carrier in PtX technologies
- Fuel cells - perfect converters for a better energy/energy ratio
- Efficient conversion technologies for mobility / heat and power supply like drives, heat pumps....
- Integration and efficient use of bio and waste energy
- Societal aspects of the energy transition

In 2025 two online afternoon sessions will be held prior to the spring school start.

For more detailed information about the lectures, check out the program of the last spring school.

### What does it cost?

The participation is free of charge.

Attendants need to finance the following costs themselves:

- travel to Stralsund and back
- daily boarding (Self-catering & shopping facilities are nearby, and there is a cafeteria and canteen on campus for breakfast and lunch.)
- **approximately 42,- Euro for accommodation per night and person** at our students guest house near the campus.

### **How can I finance my stay?**

Students from universities within Europe can receive funding for their travel costs and costs during the stay from the ERASMUS Blended Intensive Program. Please get in contact with your International Office to apply for these funds.

### **Interested to join?**

Get in contact with your International Office at your university to apply for participation and funding.

We look forward to seeing you in Stralsund!

### **Our contact details:**

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[www.hochschule-stralsund.de/spring-school](http://www.hochschule-stralsund.de/spring-school)

