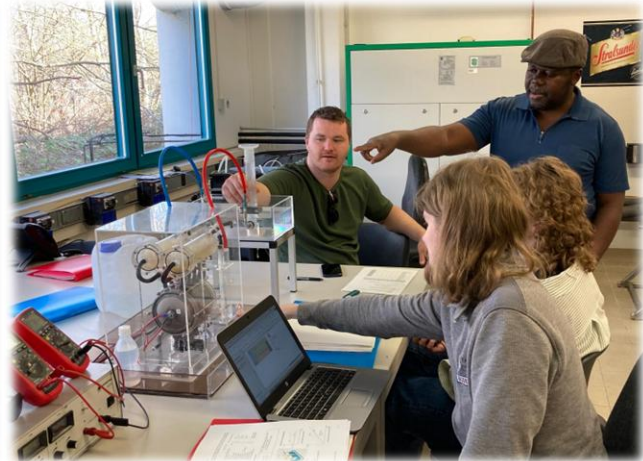
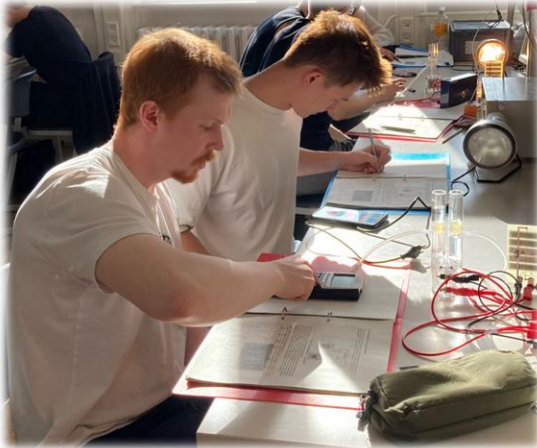


33rd Stralsund Spring School FUSES in 2026

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



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Dates & Location:

25th & 26th March 2026 - online afternoon sessions from 13:00 – 17:00 CET
and from **14th – 24th April 2026** in presence in Stralsund
day of arrival: 13.04. / day of departure: 25.04.

@ 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 2026 will mainly take place **in presence** plus **two prior online afternoon sessions** to get some theoretical input 2,5 weeks before the spring school will start in Stralsund.

About the Stralsund Spring School FUSES 2026 - FUTURE SUSTAINABLE ENERGY SUPPLY

The FUSES 2026 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, Bulgaria, Brazil and Columbia took part.

The **seminars** cover all topics of renewable energy systems and hydrogen technology. This includes **practical labs** 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 lectures, excursions and laboratory work, as an international participant you will also **present your lab results**, give a short **presentation on the energy situation in your home country** and take a **final exam** at the end of the two weeks. You will receive **5 ECTS credits** for successful participation.

What's in it for you as a student?

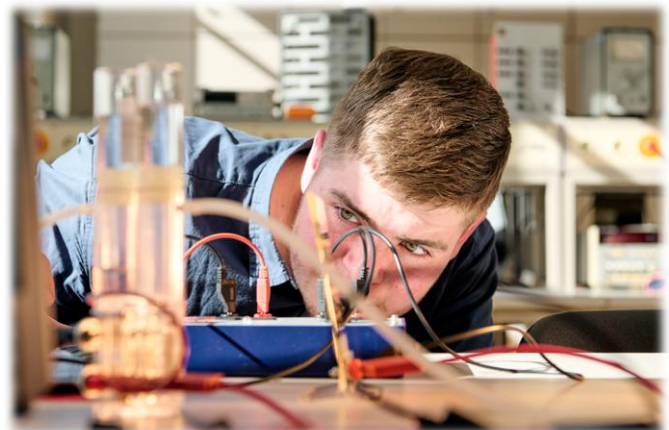
These topics are covered by the **2-week seminars**:

- 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
- Wind and solar energy systems
- Societal aspects of the energy transition

In 2026 **two online afternoon sessions** will be held **prior to the spring school** start.

In addition to lectures, you will also participate in a number of **rotating laboratories** in which you will conduct experiments yourself in small teams:

- Experiments with a micro electrolyzer / PV and fuel cell
- Automation of a 50W-FC lab
- 1,2 kW Nexa fuel cell lab
- 20 kW model electrolyzer lab
- Wind tunnel experiments
- Heating & cooling lab
- modelling energy storage systems with Matlab/Simulink



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 is possible at the hostel, shopping facilities are nearby, and there is a cafeteria and canteen on campus for lunch.)
- approximately 400,- Euro for accommodation per person at the Stralsund Hostel (for 12 overnight stays)

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:

Romy Sommer

project manager at the Institute of Renewable Energy Systems

E-Mail: romy.sommer@hochschule-stralsund.de

Prof. Dr. rer. nat. Johannes Gulden

director of the Institute of Renewable Energy Systems

E-Mail: johannes.gulden@hochschule-stralsund.de

