



Tuesday, 03rd November 2026

House 5, Lecture Hall 1

Opening of the 33rd REGWA Energy-Symposium „Renewable Energy Sources and Hydrogen Technology“

08:30 - 09:00	Registration
09:00 - 09:10	Jens Ladisch, Vice-Rector for Research at Stralsund University of Applied Sciences Welcome address
09:10 - 09:20	tbc Greetings
09:20 - 09:30	tbc Greetings
09:30 - 10:00	Alternative fuels and alternative propulsion systems Ruprecht Brandis, Clean Energy Forum
10:00 - 10:30	The North German Living Lab: achievements, lessons learnt and recommended actions from six years of sector coupling Mike Blicher, Competence Center for Energy Transition (CC4E) Tim Zeige, Erneuerbare Energien Hamburg Clusteragentur GmbH
10:30 - 11:00	Coffee Break / Networking

House 5, Lecture Hall 1

Session IA: German-English

Energy system modelling & tools to support participatory processes

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| 11:00 - 11:30 | The influence of climate change on energy droughts in different net-zero energy system designs
Paul Pütz, Ruhr-University Bochum |
| 11:30 - 12:00 | New participation formats in the energy transition: Can an AI chatbot help to broaden the outreach of events?
Mareike Liefer, Leibniz University Hannover |
| 12:00 - 12:30 | Wetlands in energy system modelling: Synergy effects through cross-sector optimisation
Institut für Dauerhaft Umweltgerechte Entwicklung von Naturräumen der Erde (DUENE) e.V.
Juliane Arriens, Reiner Lemoine Institut |
| 12:30 - 13:30 | Lunchbreak |

House 5, Lecture Hall 1

GIS-based planning for the expansion of wind energy

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| 13:30 - 14:00 | The Potentials of Wind Energy in Nigeria – GIS-based analysis & planning
Andrew Adewunmi, University of Applied Sciences Bremerhaven |
| 14:00 - 14:30 | Assessing Repowering and Hybridization Potential Under Uncertain Grid Connection Capacity: An Open-Data GIS Screening for Mecklenburg-Vorpommern
Mohamed Amin, University of Applied Sciences / Institute for Regenerative Energy Systems |

Offshore Energy Systems

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|---------------|---|
| 14:30 - 15:00 | New system approaches to integrating energy generation and energy storage in offshore energy systems
Stephan Fielitz, MFO Energy Systems UG |
| 15:00 - 15:30 | Coffee break / Poster Session |

House 5, Lecture Hall 1

Grid stability

- 15:30 - 16:00 **Approaches to curative grid management with load monitoring in transmission grids with a high proportion of renewable energy installations**
Hamza Kateb, University of Applied Sciences Westküste / Institute for the Transformation of Energy Systems (ITE)
- 16:00 - 16:30 **How do battery storage systems benefit the grid? A spatially and temporally resolved site analysis for the transmission grid in Mecklenburg-Western Pomerania**
Alexander Siwek IWEN Energy Institute gGmbH

House 7

Session II: Lab tour and workshop visit

- 16:30 – 18:00 **A tour through the Integrated Laboratory of Alternative Energies, the ThaiGer H2 Racing Team's workshop and a demonstration of the methanol synthesis plant**

Dinner

Get Together / Conference Dinner

- 19:00 - 22:30 **tbc**

Session IB: English

Accelerating the Hydrogen Economy

- 11:00 - 11:30 **From Projects to a Market: Accelerating Green Hydrogen in the Baltic Sea Region**
Pawel Seremak, Vätgas Svergie – the Swedish Hydrogen Cluster, SE
- 11:30 - 12:00 **tbc**
Walerian Majewski, NEXUS Consultants, PL
- 12:00 - 12:30 **The Greater Region in the European spotlight: hydrogen, industrial transformation and genuine cross-border cooperation**
Bodo Groß, IZES gGmbH
- 12:30 - 13:30 Lunch

Energy demand of emerging data center industries

- 13:30 - 14:00 **Resilient energy while data center industries are increasing?**
Merja Mäkelä, Kymenlaakso University of Applied Sciences, FIN

Waste recycling & alternative fuels

- 14:00 - 14:30 **From Waste Tyres to Alternative Fuel: A Comprehensive Assessment of Diesel-Tyre Pyrolysis Oil Blends for Compression-Ignition Engines**
Piotr Brożek, Maritime University of Szczecin, PL
- 14:30 - 15:00 **Waste to hydrogen using MOF-based catalytic systems**
Allan Niidu, TalTech Virumaa College, EE
- 15:00 - 15:30 Kaffeepause / Poster Session
- 15:30 - 16:00 **From project concept to investment decision: driving forward alternative fuels in shipping**
Maria Haas, Maritimes Cluster Norddeutschland e. V.
- 16:00 - 16:30 **Review of ICE applications on selected vessels using hydrogen as a fuel**
Marcin Kolodziejski, Maritime University of Szczecin, PL

Session II: Lab tour and workshop visit

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Dinner

Get Together / Conference Dinner

19:00 - 22:30 **tbc**

Wednesday, 04th November 2026

House 5, Lecture Hall 1

Session IA: German - English

08:30 - 09:00 Registration

Hydroelectric power station - Case Study

09:00 - 09:30 **Compact Permanent Magnet Hydropower Generation with Extended Low-Flow Operation via Asynchronous Grid Interface: The Chilsa Case Study**
Andres Diez, Universidad Pontificia Bolivariana, Columbia

Current developments in hydrogen technologies

09:30 - 10:00 **SEEBaER – Seawater-resistant power generation based on fuel cells**
Daniel Reiter, balticFuelCells GmbH

10:00 - 10:30 **Continuous hydrogen production using the biomass-formic acid-hydrogen process**
Henrik Junge, Leibniz Institute for Catalysis

10:30 - 11:00 Coffee break / Poster Session

Decarbonisation of the heat supply

11:00 - 11:30 **Heat pump storage system for steam generation – installation, commissioning and component testing**
Stefan Hoppe, Technical University Chemnitz, Chair of Technical Thermodynamics

11:30 - 12:00 **Experimental and Model-Based Analysis of a PVT-Assisted Heat Pump System for Building Heating**
Hannu Sarvelainen, South-Eastern Finland University of Applied Sciences

12:00 - 12:30 **Waste heat from data centres and electrolyzers as time-resolved heat sources for municipal heating planning in Mecklenburg-Western Pomerania**
Yannik Schütze, IWEN Energy Institute gGmbH

12:30 - 13:30 Lunch break

Cooling technology and supply

- 13:30 - 14:00 **Challenges and solutions in the technical implementation of an innovative cooling process**
Levi Walter, Technical University Chemnitz

Sector coupling – scenario-based decision-making

- 14:00 - 14:30 **From Vision to Decision: Scenario-Based Modelling for Energy Transformation**
Pankaj Sharma, envyze GmbH

PV installation positioning – economic considerations

- 14:30 - 15:00 **South vs. East-West orientation of photovoltaic systems in direct sales: An economic case study**
Tim Lechner, Technical University Lübeck

- 15:00 - 15:30 Coffee break / Poster Session

Utilisation of biogenic residues

- 15:30 - 16:00 **Thermal hydrophobic treatment of wood fibres**
Jan Sprafke, University of Rostock / Chair of Waste and Material Flow Management
- 16:00 - 16:30 **Treatment of process water from the hydrothermal carbonisation (HTC) of sewage sludge**
Tommy Ender, University of Rostock, Faculty of Agriculture, Civil Engineering and the Environment, Chair of Waste and Material Flow Management
- 16:30 - 17:00 **Construction of a prototype biomethanol container for decentralised methanol production within the biogeniV consortium**
Martin Späth & Edward Antwi, Stralsund University of Applied Sciences / Institute for Regenerative Energy Systems
- 17:00 - 17:15 **Conclusion and outlook for the OrgWaste2Fuel Day**

Session IB: English

08:30 - 09:00 Registration

Acceptance and intervention for a successful energy transition

09:00 - 09:30 **From problem analysis to intervention design: creating impact in the energy transition**

ENTRANCE - Centre of Expertise Energy / Hanzehogeschool Groningen, NL

09:30 - 10:00 **From acceptance to motivation: co-creative scenarios in the AnKER project**

Veronika Chvátalová Leibniz-Institut für Agrartechnik und Bioökonomie e.V. (ATB)

Hydrogen Hubs for critical infrastructure

10:00 - 10:30 **Mobile H2 Hubs for Resilient Micromobility**

Astrid Pistor, DLR Institut für Vernetzte Energiesysteme

10:30 - 11:00 Coffee Break / Poster Session

Current developments in hydrogen technologies

11:00 - 11:30 **Biogas-Assisted Solid Oxide Electrolysis for Efficient Renewable Hydrogen Production: The pHyBios Project**

Feriel Mustapha, IZES gGmbH

11:30 - 12:00 **AEM water electrolysis with 3D printed cell frames**

Suad Lippek, Hochschule RheinMain

12:00 - 12:30 **tbc**

Cor Scholte, ENTRANCE - Centre of Expertise Energy / Hanzehogeschool Groningen

12:30 - 13:30 Lunch

Session IB: EU Funding (English language)

EU Funding / International Cooperation

- 13:30 - 14:00 **Strengthening European cooperation – an overview of funding schemes**
Antje Hiller & Anja Nocke, European Enterprise Network M-V
International R&D cooperation opportunities (EEN)

Cooperation Workshop

- 14:00 - 15:00 **Baltic Sea H2 Cooperation Workshop**
Moderation: European Enterprise Network M-V
Idea Pitches & Matchmaking

Opportunity for individual consultations

- 15:00 - 17:00 The European Enterprise Network M-V offers individual consultations on EU-project development, partner search and funding. Please register beforehand for an consultation appointment: hiller@steinbeis-nordost.de

OrgWaste2Fuel

Interreg



Kofinanziert von der
Europäischen Union
Dofinansowany przez
Unię Europejską

Mecklenburg-Vorpommern / Brandenburg / Polska

Donnerstag, 05. November 2026 / Czwartek, 5 listopada 2026 r.

Haus 5, Hörsaal 2 / Budynek 5, sala wykładowa nr 2

OrgWaste2Fuel – biogene Reststoffnutzung für alternative Treibstoffe /
Wykorzystanie odpadów biogenicznych do produkcji paliw alternatywnych

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|---------------|---|
| 08:30 - 09:00 | Registrierung / Rejestracja |
| 09:00 - 09:30 | Verbesserung von Biogas durch Photosynthese: Mikroalgen zur CO₂-Bindung bei der Biomethanproduktion
Ulepszanie biogazu metodą fotosyntezy: mikroalgi do wychwytywania CO₂ w procesie produkcji biometanu
Małgorzata Hawrot-Paw, Zachodniopomorski Uniwersytet Technologiczny w Szczecinie |
| 09:30 - 10:00 | tbc
Deutsches Biomasseforschungszentrum (DBFZ) |
| 10:00 - 10:30 | EnerFuel - Erzeugung von Kraft- und Brennstoffen aus biogenen Reststoffen und Kunststoffabfällen zum Aufbau regionaler Wertschöpfungsketten
EnerFuel – produkcja paliw i surowców energetycznych z odpadów biogenicznych i odpadów z tworzyw sztucznych w celu tworzenia regionalnych łańcuchów wartości
Konstantinos Rimagmos, Hochschule Hof - Institut für Wasserstoff- und Energietechnik |
| 10:30 - 11:00 | Kaffeepause / Przerwa na kawę |

11:00 - 11:30	tbc ...
11:30 - 12:00	Methanolproduktion aus biogenen Reststoffen Produkcja metanolu z odpadów biogenicznych Helge Kutzner, Bionon UG
12:00 - 12:30	Reststoffe in der Biogaswirtschaft: Erfahrungen aus der operativen Praxis Odpady w sektorze biogazu: doświadczenia z praktyki operacyjnej Marvin Marquardt, BALANCE Erneuerbare Energien GmbH
12:30 - 13:00	Mittagspause / Przerwa obiadowa

Haus 7

13:00 - 13:30	Besichtigung der Methanolsyntheseanlage Zwiedzanie instalacji do syntezy metanolu Institute for Renewable Energy Systems
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Exkursion / Wycieczka

13:30	Transfer zur Störtebeker Brauerei Przejazd do browaru Störtebeker
14:00 – 17:00	Fachführung durch die Störtebeker Brauerei Besichtigung des Technikum / Biotechnologie- Demonstrationsanlage Einblick in die Bierherstellung, Anfall und Verwertung von Reststoffen Wycieczka z przewodnikiem po browarze Störtebeker Zwiedzanie centrum technicznego / instalacji demonstracyjnej biotechnologii Zapoznanie się z procesem produkcji piwa, powstawaniem i utylizacją odpadów