PROGRAM Winter School *Energy and Well-Being* | 24-28 March 2025, TU Ilmenau





| Time | Monday 24 | Tuesday 25 | Wednesday 26 | Thursday 27 | Friday 28 |
|-------|-----------|--|---|--|--|
| | | Meeting Point: 8:30 hrs Mara Hotel, Lobby – Joint walk to Humboldt Building | Meeting Point: 8:50 hrs Humboldt Building, entrance | Meeting Point: 8:50 hrs Humboldt Building, entrance | Meeting Point: 8:35 hrs Faraday Building, entrance |
| | | | | | Wrap-Up |
| 09:00 | | Revisiting the Sustainable Development Goals (Interactive session) Fabian Bendisch, Central Institute for Education, TU Ilmenau 09:00-10:00 hrs Humboldt Building, Room 211/212 Gustav-Kirchhoff-Platz 1 | Case Study Theory 09:00-10:00 hrs Heat Pump: Dr. Büsra Tom, Karabük University Türkiye Humboldt Building, Room 202 Renewable Energy (Semiconductor Technology): Prof. Dr. Erich Runge, Prof. Dr. Thomas Hannappel Institute of Physics, Department of Mathematics and Natural Sciences, TU Ilmenau Center for Micro- and | Case Study Finalization 09:00-10:30 hrs Students finalize their case study presentations in their respective groups. Heat Pump: Grace Hopper Building 1007 (PC Pool) Renewable Energy (Semiconductor Technology): Grace Hopper Building 1008 (PC Pool) | Fabian Bendisch, Central Institute for Education 8:45-10:15 hrs Faraday Lecture Hall Faraday Building |
| | | | Nanotechnologies, Room 115 | | |
| 10:00 | | | Case Study Practice and Lab Tours 10:00-12:00 hrs Heat Pump: Prof. Dr. Christian Karcher, Laura Wittmann, Tim | Digital Poster Presentations 10:30-12:00 hrs Humboldt Building, Room 201 | |
| 11:00 | | Circularity – The Business Perspective on a vital Sustainability Principle Prof. Dr. Rainer Souren, Group for Sustainable Production and Logistics Management, Department of Economic Sciences and Media, TU Ilmenau 11:00-12:00 hrs Humboldt Building, Room 211/212 | Essebier Engineering Thermodynamics Group, Department of Mechanical Engineering, TU Ilmenau Newton Building, Machine Hall Renewable Energy (Semiconductor Technology): Prof. Dr. Erich Runge, Prof. Dr. Thomas Hannappel Dr. Peter Kleinschmidt Juliane Koch Institute of Physics, Department of Mathematics and Natural Sciences, TU Ilmenau Center for Micro- and Nanotechnologies, Room 115 | Students present their case study findings in small groups to their fellow students. Supervision: Prof. Dr. Christian Karcher, Case Study Heat Pump Prof. Dr. Erich Runge, Prof. Dr. Thomas Hannappel, Juliane Koch, Case Study Renewable Energy (Semiconductor Technology) | |

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| 40.00 | | | | T | T 1 |
|-------|--|--|---|---|-----|
| 12:00 | | Lunch (Mensa 4) | Lunch (Mensa 4) | Lunch (Mensa 4) | |
| 13:00 | | Bus Transfer Meeting Point: 13:30 hrs, Bus Stop Mensa | Excursion: NeuroConn GmbH // Lab Tours: Bionic Building | Forest Walk Matthias Wetzel (Forester) | |
| 14:00 | | Excursion: Biomass Cogeneration Plant Ilmenau | (Biomedical Engineering) | Joint hike to Ilmenau's "Lindenberg" – | |
| 15:00 | | Gewerbepark "Am Wald" 18, 98693 Ilmenau 14:00-16:00 hrs | Group 1: 13:30 @ NeuroConn, 15:00 @ Bionic Building entrance (Dr. Marko Helbig, Dietmar Link, Milana Komosar) | implications of climate change on forest 13:30-16:30 hrs | |
| | | | | 13.30-10.30 1115 | |
| | | Accompanied by Prof. Dr. Christian Karcher, Engineering Thermodynamics Group, Department of Mechanical Engineering, TU Ilmenau | Group 2: 13:15 @ Bionic Building entrance (Dr. Marko Helbig, Dietmar Link, Milana Komosar), 14:30 @ NeuroConn | | |
| 16:00 | | Bus Transfer Meeting Point: 16:00 hrs, in front of | Biomedical Engineering: Technology for Life: A Glimpse | | |
| | | Biomass Cogen. Plant Café INKLUSIV | into Current Research Dr. Eva-Maria Dölker | | |
| | | Kirchplatz 4, 98693 Ilmenau 16:15-17:15 hrs | Biomedical Engineering Group Department of Computer Science | | |
| | | Guided Ilmenau Tour 17:15-18:15 hrs | and Automation, TU Ilmenau 16:00-17:00 hrs Humboldt Building, Room 211/212 | | |
| 17:00 | Meeting Point: | | | Ressource Game Fabian Bendisch, Central Institute for | |
| | 17:45 hrs | | | Education | |
| | Hotel Mara, Lobby Joint walk to venue for Opening | | Sustainability Working Group | 17:00-18:00 hrs Faraday Building, Room 3001 | |
| | Reception | | 17:30-19:00 hrs HSF Radio Station EAZ1320 | | |
| 18:00 | Opening Reception Welcome by Prof. Dr. Jens | Free time in Ilmenau & | 19-20:00 hrs | Farewell Dinner | |
| 19:00 | Müller, Vice President for International Affairs and | surrounding areas | Joint Dinner | 18:00-20:00 hrs Faraday Building, Room 4002 | |
| 20:00 | Transfer, TU Ilmenau | | | Taraday Daliding, Nooni 4002 | |
| | 18:00-20:00 hrs Faraday Building, Room 4002 Weimarer Straße 32 | | | | |
| | Inclusive of buffet dinner (veg) | | | | |