

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

faculty of
electrical engineering
+ computer science
institute for renewable
energy systems

University of Applied Sciences
Fakultät Elektrotechnik + Informatik
Institut für Regenerative
EnergieSysteme IRES



Date	time	Topic
	Information	Lecture materials you will find at https://ilias.hochschule-stralsund.de/ilias in FB-ETI >> ETI-Studiengänge >> 2019 FUSES 27th... (list down) PASSWORD: "fuses2019"
	Sunday	arrival / journey to Stralsund - Please send to Romy.Sommer@hochschule-stralsund.de your arrival times – you will get the keys from her for your accommodation in guest house 17 + house of BFW.
	Lecture rooms:	H4 / HS 3 = room 118 in house 4 H4 / HS 7 = room 108 in house 4, H4/HS 4 = 208 (upstairs, 2 nd floor) H4 / HS 6 = room 225b in house 4 H4 / HS 8 = room 109 in house 4, H4/HS 5 = 209 (upstairs, 2 nd floor) H5 / HS1 + HS2 are in house 5 KAE = Komplexlabor Alternative Energien Haus 7 / near wind turbine
1.04.	09:00	Opening Session house 4 / lecture room 3 = room 118 in house 4 then group photo
Mo	10:00 – 11:15	Lecture Prof. Lehmann - Carbon free energy supply demands in the future H4 / HS 3 = room 118
	11:30 – 13:00	Lecture Prof. Ceponis - Renewable energy technologies and priorities H4 / HS 6 = room 225b
	13:00 – 14:00	Lunch
	14:00 – 15:00	KAE-Laboratory introduction + safety instruction - Haus 7 / KAE at windturbine – DI Sponholz / Luscht.
	15:30 - 17:30	Walk to SuperMarkets and Visit of the town of Stralsund Romy Sommer / Liane Voss Meeting Point: 15:30 BusStation of University between house 19 and house 4 (GoldenCube)
2.04.	08:00 - 09:30	Lecture – Prof. Middleton – Fuel cells 1 H4 / HS 3 = room 118
Tu	09:45 - 11:15	Lecture - Prof. Middleton – Fuel cells 2 H4 / HS 3 = room 118
	11:30 – 13:00	Lecture - Prof. Middleton – Fuel cells 3 H4 / HS 3 = room 118
	14:00 – 17:00	Laboratory 1 + 2
	17:30	Welcome to participants in front of house 7 – barbecue with German students + visit to the ThaiGer-H2-Racing team
3.04.	08:00 - 09:30	Lecture – Prof. Middleton – Fuel cells 4 H4 / HS 3 = room 118
We	09:45 - 11:15	Lecture - Prof. Middleton - Thermoelectric devices and applications H4 / HS 3 = room 118
	11:30 – 13:00	Lecture – Prof. Ceponis – Influence of electric cars / vehicle infrastructure on the development of renewable energy sources and distribution grid H4 / HS 6 = room 225b
	14:00 – 17:00	Laboratory 3 + 4
4.04.	08:00 - 09:30	Laboratory 5
Thu	09:45 – 11:15	Lecture Prof. Ceponis – Public-private partnerships investment in renewable energy H5 / HS1 house 5
	11:30 – 13:00	Lecture Prof. Ceponis – DC power grids for renewable energy H4 / HS 6 = room 225b
	14:00 - 15:30	Lecture Prof. W. Zenczak – The use of renewable energy on water transport means H4 / HS 6
	15:45 – 17:15	Lecture Prof. Zapalowicz – Efficient conversion of solar radiation and storage options H4 / HS 6
	18:30	Lecturers Dinner I – Restaurant Ventspils Sundpromenade 1A, 18435 Stralsund
5.4.	05:00 – 23:00	Meeting Point: 05:00 bus station FH / Visit of the Hanover Fair by bus – please activate your personal free ticket: https://www.hannovermesse.de/ticketregistration?3wg2c and print it out ! We are guest of Tobias Renz FAIR Action code: 3wg2c Halle 27, Stand C66 Hydrogen + Fuel Cells + Batteries - Take with you lunch packages ! / Th. Luschtinetz
Fr		
6.04.	Saturday	free own excursions in small groups
7.04.	Sunday	free
8.04.	08:00 – 09:30	Lecture Prof. Lehmann – Power to gas technology – hype or necessary step in energy turn H4 / HS 3
Mo	09:45 – 11:15	Lecture Prof. Mäkelä - Introduction to the simulation of energy and storage systems H4/HS 3 = room118
	11:30 – 13:00	Lecture Prof. Luschtinetz – Grid stability – grid connection of renewable sources H4/HS 6 = room 225b
	14:00 - 15:30	Laboratory 7
	15:45 – 17:15	Laboratory 8
9.04.	08:00 - 09:30	Lecture Prof. Senulis - Charging infrastructure + equipment for marine electric propulsion storage syst. H4 / HS 3 = room 118
Tu	09:45 – 11:15	Lecture Prof. Mäkelä – Automation of wind turbines H4 / HS 3 = room 118
	11:30 – 13:00	Lecture Prof. M. Zenczak - Methods of energy storage in electric power systems H4 / HS 3 = room 118
	14:00 – 17:00	Seminar Prof. Gulden / Luscht./ Mäkelä - Home universities and energy situation / renewable energy situation in the home countries of students - short presentations of participants H4 / HS 3 or KAE
	18:30	Lecturers Dinner II Restaurant Brasserie - Neuer Markt 2, 18439 Stralsund
10.4.	09:00 - 10:00	Lecture Prof. A. Senulis, Klaipeda University - Energy storage for Marine vessels H4/ HS 5 = room 209
We	10:00 – 11:15	Lecture Prof. R. Leiner, HTWG Konstanz- Who needs combustion engines? 30 Years of Solar Boats H4/ HS 5 = room 209
	11:30 – 12:30	Lecture Dr. Th. Kühmstedt, Ampereship GmbH, Stralsund
	13:30 – 14:30	Lecture Dr. D. Büchler, BaltiCo GmbH, Extreme lightweight construction in shipbuilding H4/ HS 5
	14:30 – 16:00	Lecture Prof. J. Gulden – Hydrogen propulsion for shipping H4/ HS 5
	16:00	Get together ELMAR day in KAE laboratory
11.4.	08:00 - 09:30	Presentations of lab results with discussion – Dr. Gulden / DI Sponholz Komplexlabor H7 + H4/HS8
Thu	10:00 – 12:00	Written Examination 2h in 6 teams with 6 students each 4/210, 223, 316, HS4, HS7, 217
	13:30 – 15:30	SUPA – Meeting event with enterprises from Germany and from the region View to HOST campus and the laboratories of the faculties of MB and ETI Sponholz / Luschtinetz
	17:30	Farewell barbecue with German students near house 7
12.4.	09:45 – 11:15	Research & application: Prof. Mäkelä / Gulden – Experiences with PV- & solartherm. systems HS5 = 209
Fri	11:30 – 13:00	Handing-over of certificates / evaluation and farewell H4/ HS7 = 108

