

Agenda

9th International PhD Day of the AAEE Student Chapter

Tuesday, 7th September 2021, 09:15 - 16:30

Get-together afterwards (optional)

TU Wien, Gußhausstraße 27-29, 1040 Vienna, Austria

Zoom via CVENT

The aim of the PhD Day is to give PhD students the opportunity to present their work in detail including a comprehensive feedback from senior researchers and other PhD students in the field of energy economics. For each paper, **40 min** of presentations are foreseen: **20 min** for the **author**, **10 min** for the **senior reviewer**, and **10 min** for the **junior reviewer**. All presentations and reviews are held in English.

- Links to parallel sessions (zoom meetings) are available via CVENT attendee hub: <https://eur.cvent.me/eOveo>
- Link to virtual loungeroom during coffee/lunch break: <https://spatial.chat/s/iewt2021>
- After the presentations, there will be a voting for the Best Presentation Award

If you have any questions contact Theresia Perger (perger@eeg.tuwien.ac.at).

Introduction and opening
(09:15-09:30)
Hans Auer
Theresia Perger & Nadine Gürer

Session 1
(09:30-12:20)

Session 1 - A			
09:30-10:10	Presenter:	Seyedfarzad Sarfarazi	Quantifying the economic granularity gap by model coupling: The case of prosumer self-consumption in Germany
	Senior reviewer:	German Aerospace Center (DLR)	
	Junior reviewer:	Gustav Resch Axel Bruck	
10:10-10:50	Presenter:	Dominik Putz	A novel approach to multi-horizon wind power forecasting based on deep neural architecture
	Senior reviewer:	Siemens AG	
	Junior reviewer:	(Hans Auer) Hassan Hamieh Ehsan Khorsandnejad	
Coffee Break			

11:00-11:40	Presenter: Senior reviewer: Junior reviewer:	Sabine Pelka Fraunhofer ISI Gustav Resch Dominik Putz	Cost-optimal placement of generation in a zonal electricity market: A bilevel model of location-specific network charges and generation investment
11:40-12:20	Presenter: Senior reviewer: Junior reviewer:	Bessie Noll ETH Zürich Amela Ajanovic Sabine Pelka	Projecting the competition of zero-emission vehicles in road freight: insights from a system-dynamic perspective in understanding pathways to commercial vehicle decarbonization

Session 1 - B			
09:30-10:10	Presenter: Senior reviewer: Junior reviewer:	Christoph Loschan TU Wien - Energy Economics Group Bernadette Fina -	The influence of local optimised energy communities on the European electricity market
10:10-10:50	Presenter: Senior reviewer: Junior reviewer:	Matthias Galan WU Wien Lukas Kranzl Thi Ngoc Nguyen	Role of product standards in the acceleration of the Indian energy transition: The case of the Indian off-grid solar sector
Coffee Break			
11:00-11:40	Presenter: Senior reviewer: Junior reviewer:	Zwickl-Bernhard Sebastian TU Wien EEG Andreas Müller Galan Matthias	Benchmarking local network topology of sustainable heat supply: An open-source approach downscaling integrated assessment model results
11:40-12:20	Presenter: Senior reviewer: Junior reviewer:	Johannes Kochems DLR Daniel Schwabeneder Matthias Maldet	Agent-based modeling of demand response for the German electricity sector

Session 1 - C			
09:30-10:10	Presenter: Senior reviewer: Junior reviewer:	Frida Revheim TU Wien Demet Suna Anselm Eicke	SECTOR COUPLING OF A LOCAL ENERGY SYSTEM - INFLUENCE OF LOCATION DEPENDENT PARAMETERS
10:10-10:50	Presenter: Senior reviewer: Junior reviewer:	Anselm Eicke Hertie School Andreas Fleischhacker Lang Lukas	Cost-optimal placement of generation in a zonal electricity market: A bilevel model of location-specific network charges and generation investment

Coffee Break			
11:00-11:40	Presenter: Senior reviewer: Junior reviewer:	Lang Lukas Friedrich-Alexander-Universität Erlangen-Nürnberg Andreas Fleischhacker Zejneba Topalović	Flow-based Market Coupling in Multi-Level Electricity Market Models
11:40-12:20	Presenter: Senior reviewer: Junior reviewer:	Zejneba Topalović Vienna University of Technology Demet Suna Frida Revheim	A REVIEW OF ENERGY STORAGE SYSTEMS IN ELECTRICITY MARKETS

Lunch break
(12:20-13:00)

Plenary
(13:00-13:30)
by Hans Auer "How to write a paper"

Session 2
(13:30-16:20)

Session 2 - A			
13:30-14:10	Presenter: Senior reviewer: Junior reviewer:	Carlo Corinaldesi Technische Universität Wien Richard Büchele Seyedfarzad Sarfarazi	On the Characterization and Evaluation of Residential On-Site E-Carsharing
14:10-14:50	Presenter: Senior reviewer: Junior reviewer:	Ehsan Khorsandnejad Fraunhofer UMSICHT Georg Lettner Carlo Corinaldesi	Bewertung des Flexibilitätspotenzials von Kältesystemen am Beispiel eines Kühlhauses
Coffee Break			
15:00-15:40	Presenter: Senior reviewer: Junior reviewer:	Axel Bruck INSTITUTO TECNOLÓGICO DE CANARIAS, S.A. (ITC) Stian Backe Stephanie Schasché	The potential of Positive Multi-Energy Districts in the energy transition across Europe

15:40-16:20	Presenter: Senior reviewer: Junior reviewer:	Stephanie Schasché AAU Georg Lettner Noll Bessie	Demand-responsive transport services: assessing user acceptance and the influence of rurality
-------------	--	--	--

Session 2 - B			
13:30-14:10	Presenter: Senior reviewer: Junior reviewer:	Smaranda Sgarciu BTU Cottbus-Senftenberg Hans Auer Johannes Kochems	Discount and hurdle rates: the dark horses of capacity expansion planning
14:10-14:50	Presenter: Senior reviewer: Junior reviewer:	Thi Ngoc Nguyen BTU Cottbus-Senftenberg Daniel Schwabeneder Smaranda Sgarciu	What drives the accuracy of PV output forecasts?
Coffee Break			
15:00-15:40	Presenter: Senior reviewer: Junior reviewer:	Ardak Akhatova TU Wien Fabian Schipfer Zwickl-Bernhard Sebastian	Agent-based model of net-zero integrated retrofitting of neighbourhoods
15:40-16:20	Presenter: Senior reviewer: Junior reviewer:	Matthias Maltet TU Wien Fabian Schipfer Ardak Akhatova	Integration of Sustainable Water- and Waste Management into Energy Communities

Voting & Best Presentation Award
(16:20-16:30)

(optional) Get-together and networking
(18:30-)