

Academic positions (past and present)

since 2017	Post-doctoral researcher (Akademischer Rat) Head of Research Area “Energy Markets and Sector Coupling” Chair of Economic Theory, Faculty of Business, Economics, and Law Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU Erlangen-Nürnberg)
01/2017–03/2022	Senior researcher Group on Energy Market Design Energie Campus Nürnberg (EnCN)
02/2012–10/2016	Research Associate Workgroup for Infrastructure Policy Berlin University of Technology (TU Berlin)
06/2012–06/2015	Research Associate Department of Energy, Transportation, Environment German Institute for Economic Research (DIW Berlin)
09/2008–08/2010	Research Assistant Chair of Energy Economics and Public Sector Management Dresden University of Technology (TU Dresden)
07/2015–12/2015	Visiting Researcher German Institute for Economic Research (DIW Berlin)
11/2013–02/2014	Visiting Researcher Norwegian University of Science and Technology (NTNU Trondheim)
11/2011	Visiting Researcher Universidad Pontificia Comillas, ICAI School of Engineering
09/2011–10/2011	Visiting Researcher European University Institute, Florence School of Regulation

Education

2016	Dr. rer. oec (PhD in Economics) with summa cum laude Berlin University of Technology (TU Berlin)
2010	Diplom Wirtschaftsingenieur (master equivalent: Industrial Engineering) Dresden University of Technology (TU Dresden)
2004	Allgemeine Hochschulreife (university-entrance diploma) Leibniz-Gymnasium Altdorf (Bavaria)

Research interests

- Market design and regulation for sustainable transition pathways of energy systems
- Sector-coupling between electricity, fossil gas, and hydrogen markets
- Operations research applied to energy markets
- Techno-economic optimization models with multi-level decision structures
- Uncertainty and risk aversion in decision making of market stakeholders
- Regulations and incentives for decentralized energy systems in urban quarters

Prizes

- Schöeller Fellow 2021, Dr. Theo and Friedl Schöeller Research Center for Business and Society: “Market design of electricity and hydrogen markets in multi-level energy market models”, 02/2021.
- ENRE Best Publication Award in Energy (INFORMS) for the paper “Uncertain bidding zone configurations: The role of expectations for transmission and generation capacity expansion”, together with Mirjam Ambrosius, Veronika Grimm & Harry van der Weijde, 2021.
- Hermann-Gutmann-Preis für besondere wissenschaftliche Leistungen (FAU Erlangen-Nürnberg) for the paper “Uncertain bidding zone configurations: The role of expectations for transmission and generation capacity expansion”, 2021.
- GEE Best Paper Award (International Ruhr Energy Conference) for the paper “Uncertain bidding zone configurations: the role of expectations for transmission and generation capacity expansion”, together with Mirjam Ambrosius, Veronika Grimm & Harry van der Weijde, September 26, 2019.
- Emerging Talent Initiative, FAU Erlangen-Nürnberg: “Optimal regional decisions for the sustainable transformation of electricity markets” , 07/2018–06/2019.

Membership of Associations

- IAEE - International Association for Energy Economics
- GEE - Gesellschaft für Energiewissenschaft und Energiepolitik e. V.
- VWI - Verband Deutscher Wirtschaftsingenieure e. V.
- Alumni program of the TU Berlin
- nexus - Alumni program of the TU Dresden

Refereeing service

- European Journal of Operational Research, Energy Economics, Renewable & Sustainable Energy Reviews, The Energy Journal, Energy Policy, Energy Systems, Joule, and Utilities Policy

Recent conference organization

Responsibility of central organization for the European PhD student network “Young Energy Economists & Engineers Seminar” (YEEES) from 2013 – 2018 with PhD seminars at TU Vienna, KTH Stockholm, TU Dresden, KU Leuven, Paris Supelec, Comillas Madrid, University of Basel, University of Edinburgh, Lodz University of Technology, Delft University of Technology, and the Florence School of Regulation. Local organization of the YEEES seminars at the TU Berlin in 2012 and the Friedrich-Alexander-University Erlangen-Nuremberg in 2017.

More information is available on the webpage: https://blogs.tu-berlin.de/wip_yeees/

Language skills

- German (mother tongue)
- English (fluent)
- French (intermediate)

Teaching

Courses

Economics of Climate Change	English course in the master program at the FAU Erlangen-Nürnberg Winter terms 2021/22 – 2023/24 (hybrid course in 2020/21)
Game Theory	Course in the bachelor program at the FAU Erlangen-Nürnberg Winter terms 2017/18 – 2023/24 (hybrid course in 2020/21 & 2021/22)
Seminar Energy Markets	Seminar in the bachelor and master program at the FAU Erlangen-Nürnberg Summer terms 2018, 2020, and 2022
Bachelor Thesis Seminar	On topics in energy market design at the FAU Erlangen-Nürnberg Winter and summer terms 2017 – 2023
Electricity Sector Modelling	English course for master and PhD students at the National Laboratory Astana in the project “Development of the model of energy system of Caspian states”, Nazarbayev University, Republic of Kazakhstan, 2016
Electricity Markets	Course in the master program at the TU Berlin Summer terms 2012 – 2015
Energy Economics	Course in the bachelor program at the TU Berlin Winter terms 2011/12 – 2013/14
Operations Research	Lectures in the master program at the TU Berlin Summer terms 2011 – 2013

Supervised master theses

- Flexible Energietarife als Anreiz für die Dekarbonisierung und Flexibilisierung der Energienachfrage im Quartier
- Akzeptanz von umweltpolitischen Maßnahmen zur Dekarbonisierung der Wärmeversorgung in Wohngebäuden
- Scaling up the hydrogen economy – Insights from global energy commodity markets
- Die Rolle der Elektromobilität im Strommarkt unter verschiedenen Marktdesign
- Regional smart markets for market-based congestion management in the German electricity sector
- Techno-economic Analysis on Importing Green Ammonia to Germany - Case Study for Australia
- Modellbasierte Analyse von Investitionsentscheidungen im deutschen Strommarkt mit negativen Spotmarktpreisen
- The value of flexibility in industrial electricity demand – A model-based evaluation for the German electricity market
- Multilevel Model for Joint Analysis of Electricity and Gas Markets
- Es weht ein frischer Wind durch Deutschland - Herausforderungen von Power Purchase Agreements für EE-Anlagen in Deutschland
- Transformation of the German electricity system in a European context
- Sustainable strategies and multilateral cooperation for the energy systems in Central Asia
- The Flexibility of Hydroelectric Reservoir and Pumped Storage Generation in Switzerland
- Market Power in Electricity Markets with Increasing Renewable Energy Sources – Bi-level Model Approaches and Applications to Germany

Supervised bachelor theses

- Frankreichs Abhängigkeit von Atomkraft – Auswirkungen auf das europäische Stromsystem
- Ausbau und Integration von Offshore-Wind im Nordseeraum
- Approaches and challenges for CO₂ certificates from the forestry sector
- Wasserkraft in Skandinavien als Batterie für Windstrom aus dem Nordseeraum
- Wasserstoff für die Mobilitätswende: Zentrale oder dezentrale Produktion in Deutschland?
- Ansätze und Beispiele der Implementierung einer CO₂-Steuer
- Entwicklung und Perspektiven der EEG Umlage
- Marktmacht im Strommarkt – Überblick und Bewertung für Deutschland
- Europäische Emissionsstandards für Kohlekraftwerke – ökonomische Analyse der Auswirkung auf den deutschen Strommarkt

Supervised project theses

- Modelling sector coupling with multiple markets for the transformation of the German energy system
- Szenarien für die Entwicklung der Levelized Cost of Hydrogen (LCOH) in Deutschland
- Nachhaltigkeitsstrategien deutscher Großstädte im Energiebereich
- Die Rolle von Wasserstoff für die klimaneutrale Transformation der deutschen Industrie
- Technische-ökonomische Analyse von Infrastrukturszenarien für wasserstoffbasierten Schwerlastverkehr in Deutschland
- Marktausgestaltung zu möglichen Smart Markets im deutschen Strommarkt
- Opportunities for the Operation of Electric Vehicle Fleets in Electricity Markets
- Ausbau der erneuerbaren Stromerzeugung in Europa – Status-quo und Perspektiven
- The Kyrgyz electricity sector and national energy resources: Status quo and perspectives in national and regional context
- Benefits of Joined Regional Integrated Planning - A Techno-Economic Welfare Analysis of Switzerland and its Neighbours
- The Sustainable Energy Revolution in the MENA Region - a Regional Challenge?
- Potential of Cross-Border Balancing Markets in the Alpine Region – Regulatory Aspects and Considerations for Market Design

Participation in externally funded research projects

Joint project: EOM-Plus – Analysis of the short and medium-term effects of market-based bottleneck instruments as a regional and temporary supplement to the existing energy-only electricity market design	7th Energy Research Program (BMWK) Co-project leader (FAU Erlangen-Nürnberg) 2019 – 2023
Joint project: Further development of technical-economic models for optimizing urban quarters	Bavarian State Government Project leader (FAU Erlangen-Nürnberg) 2022
SFB Transregio 154: Mathematical modelling, simulation and optimization using the example of gas networks	German Research Foundation (DFG) Associated member (FAU Erlangen-Nürnberg) 2017 – 2025
Energie Campus Nürnberg (EnCN): Project “Energy Market Design (EMD)”	Bavarian State Government Senior researcher (FAU Erlangen-Nürnberg) 2017 – 2022
Reformbedarf und -modelle für den effizienten Ausbau und Betrieb der Elektrizitätsnetze im Rahmen der Energiewende	Stiftung Mercator Researcher (TU Berlin), 2012 – 2016
Increased Integration of the Nordic and German Electricity Systems - Modelling and Assessment of Economic and Climate Effects of Enhanced Electrical Interconnection and the Additional Deployment of Renewable Energies	Agora Energiewende Co-project leader (DIW Berlin) 2014 – 2015
Model-based analyses for the electricity sector design to favor the integration of renewable energies in the energy transformation (MASMIE)	Stiftung Mercator Researcher (DIW Berlin) 2012 – 2015
THINK Topic 6: EU Involvement in Electricity and Natural Gas Transmission Grid Tarification	7th Framework Programme (EU) Researcher (TU Berlin / FSR Florence), 2012
Effiziente und gerechte Allokation erneuerbarer Energien in Deutschland (EnergyEFAIR)	Economics of climate change (BMBF) Researcher (TU Berlin), 2011 – 2015
Stromspeicher als zentrales Element der Integration von Strom aus erneuerbaren Energien (StoRES)	BMWi Researcher (DIW Berlin), 2011 – 2014
Evaluating Climate Policies in the Electricity Sector with a Hybrid Top-Down/Bottom-Up Model	BMBF Researcher (TU Berlin), 2011 – 2014
Integrierter Ansatz zur Entwicklung klimafreundlicher Wirtschaften in Zentralasien (NAMAs)	BMU Researcher (DIW Berlin), 2011 – 2013

Publications

Working papers in publication process

1. Egerer, Jonas, Nima Farhang-Damghani, Veronika Grimm, and Philipp Runge (2023). The Industry Transformation from Fossil Fuels to Hydrogen will reorganize Value Chains: Big Picture and Case Studies for Germany. *SSRN Electronic Journal*, 1–38. DOI: 10.2139/ssrn.4390325.

Refereed research papers

1. Egerer, Jonas, Veronika Grimm, Kiana Niazmand, and Philipp Runge (2023). The economics of global green ammonia trade – “Shipping Australian wind and sunshine to Germany”. *Applied Energy* **334**, 120662. DOI: 10.1016/j.apenergy.2023.120662.
2. Ambrosius, Mirjam, Jonas Egerer, Veronika Grimm, and A. van der Weijde (2022). Risk aversion in multilevel electricity market models with different congestion pricing regimes. *Energy Economics* **105**, 105701. DOI: 10.1016/j.eneco.2021.105701.
3. Egerer, Jonas, Veronika Grimm, Julia Grübel, and Gregor Zöttl (2022). Long-run market equilibria in coupled energy sectors: A study of uniqueness. *European Journal of Operational Research* **303**(3), 1335–1354. DOI: 10.1016/j.ejor.2022.03.028.
4. Egerer, Jonas, Veronika Grimm, Thomas Kleinert, Martin Schmidt, and Gregor Zöttl (2021). The Impact of Neighboring Markets on Renewable Locations, Transmission Expansion, and Generation Investment. *European Journal of Operational Research* **292**(2), 696–713. DOI: 10.1016/j.ejor.2020.10.055.
5. Ambrosius, M., J. Egerer, V. Grimm, and A.H. van der Weijde (2020). Uncertain bidding zone configurations: The role of expectations for transmission and generation capacity expansion. *European Journal of Operational Research* **285**(1), 343–359. DOI: 10.1016/j.ejor.2020.01.024.
6. Assembayeva, Makpal, Jonas Egerer, Roman Mendelevitch, and Nurkhat Zhakiyev (2019). Spatial electricity market data for the power system of Kazakhstan. *Data in Brief* **23**, 103781. DOI: 10.1016/j.dib.2019.103781.
7. Assembayeva, Makpal, Jonas Egerer, Roman Mendelevitch, and Nurkhat Zhakiyev (2018). A spatial electricity market model for the power system: The Kazakhstan case study. *Energy* **149**, 762–778. DOI: 10.1016/j.energy.2018.02.011.
8. Drechsler, Martin, Jonas Egerer, Martin Lange, Frank Masurowski, Jürgen Meyerhoff, and Malte Oehlmann (2017). Efficient and equitable spatial allocation of renewable power plants at the country scale. *Nature Energy* **2**(17124). DOI: 10.1038/nenergy.2017.124.
9. Egerer, Jonas, Clemens Gerbaulet, and Casimir Lorenz (2016). European Electricity Grid Infrastructure Expansion in a 2050 Context. *The Energy Journal* **37**(1), 101–124. DOI: 10.5547/01956574.37.SI3.jege.
10. Egerer, Jonas, Jens Weibezahn, and Hauke Hermann (2016). Two price zones for the German electricity market – Market implications and distributional effects. *Energy Economics* **59**, 365–381. DOI: 10.1016/j.eneco.2016.08.002.
11. Egerer, Jonas, Juan Rosellon, and Wolf-Peter Schill (2015). Power System Transformation toward Renewables: An Evaluation of Regulatory Approaches for Network Expansion. *The Energy Journal* **36**(4), 105–128. DOI: 10.5547/01956574.36.4.jege.
12. Huppmann, Daniel and Jonas Egerer (2015). National-strategic investment in European power transmission capacity. *European Journal of Operational Research* **247**(1), 191–203. DOI: 10.1016/j.ejor.2015.05.056.
13. Schill, Wolf-Peter, Jonas Egerer, and Juan Rosellon (2015). Testing regulatory regimes for power transmission expansion with fluctuating demand and wind generation. *Journal of Regulatory Economics* **47**(1), 1–28. DOI: 10.1007/s11149-014-9260-0.
14. Egerer, Jonas and Wolf-Peter Schill (2014b). Power System Transformation toward Renewables: Investment Scenarios for Germany. *Economics of Energy & Environmental Policy* **3**(2), 29–43. DOI: 10.5547/2160-5890.3.2.jege.
15. Scharff, Richard, Jonas Egerer, and Lennart Söder (2014). A description of the operative decision-making process of a power generating company on the Nordic electricity market. *Energy Systems* **5**(2), 349–369. DOI: 10.1007/s12667-013-0104-2.
16. Egerer, Jonas, Friedrich Kunz, and Christian von Hirschhausen (2013). Development scenarios for the North and Baltic Seas Grid – A welfare economic analysis. *Utilities Policy* **27**, 123–134. DOI: 10.1016/j.jup.2013.10.002.

PhD thesis

1. Egerer, Jonas (2016a). *Low-carbon transformation of the German and European electricity systems - modeling market implications and infrastructure investments*. DOI: 10.14279/depositonce-5641. Technische Universität Berlin.

Policy briefs and technical reports

1. Bollerhey, Timo, Bauer Franz, Jonas Egerer, Martin Christopher Erdmann, Markus Exenberger, Florian Geyer, Veronika Grimm, Andreas Hofrichter, Malte Krieger, Philipp Runge, Michael Sterner, Johannes Wirth, and Daniel Wragge (2023). *The Market Ramp-Up of Renewable Hydrogen and its Derivatives - the Role of H2Global*. <https://www.wirtschaftstheorie.rw.fau.de/files/2023/06/The-Market-Ramp-Up-of-Renewable-Hydrogen-and-its-Derivatives-the-Role-of-H2Global.pdf>.
2. Egerer, Jonas, Veronika Grimm, Johannes Hilpert, Uwe Holzhammer, Benedikt Hümmel, Lukas M. Lang, Tanja Mast, Jana Nysten, and Ulrike Pfefferer (2022). Das Smart Market-Konzept als marktbasierendes Element im deutschen Engpassmanagement. *et - Energiewirtschaftliche Tagesfragen* 72(4).
3. Egerer, Jonas, Veronika Grimm, Lukas M. Lang, and Ulrike Pfefferer (2022). Kohleausstieg 2030 unter neuen Vorzeichen. *Wirtschaftsdienst* 102(8), 600–608. DOI: 10.1007/s10273-022-3260-y.
4. Egerer, Jonas, Veronika Grimm, Lukas M. Lang, Ulrike Pfefferer, and Christian Sölch (2022). Mobilisierung von Erzeugungskapazitäten auf dem deutschen Strommarkt. *Wirtschaftsdienst* 102(11), 846–854. DOI: 10.1007/s10273-022-3310-5.
5. Egerer, Jonas, Christian von Hirschhausen, Jens Weibezahn, and Claudia Kemfert (2015). *Energiewende und Strommarktdesign: zwei Preiszonen für Deutschland sind keine Lösung*. DIW Wochenbericht 9. DIW Berlin. https://www.diw.de/documents/publikationen/73/diw_01.c.497518.de/15-9-3.pdf.
6. Hethy, János, Anders Kofoed-Wiuff, Lars Bornak, Hans H. Lindboe, Simon Sawatzki, Marievi Vestarchi, Klaus Skytte, Jonas Katz, Jonas Egerer, Alexander Zerrahn, and Christian von Hirschhausen (2015). *Increased Integration of the Nordic and German Electricity Systems*. Berlin, Germany; Stockholm, Sweden: Agora Energiewende, Global Utmaning. https://www.agora-energiewende.de/fileadmin/Projekte/2014/nordic-german-integration-project/Agora_Increased_Integration_Nordics_Germany_LONG_WEB.pdf.
7. Egerer, Jonas, Clemens Gerbaulet, Richard Ihlenburg, Friedrich Kunz, Benjamin Reinhard, Christian von Hirschhausen, Alexander Weber, and Jens Weibezahn (2014). *Electricity Sector Data for Policy-Relevant Modeling: Data Documentation and Applications to the German and European Electricity Markets*. Data Documentation 72. Berlin, Germany: DIW Berlin. http://www.diw.de/documents/publikationen/73/diw_01.c.440963.de/diw_datadoc_2014-072.pdf.
8. Egerer, Jonas, Roman Mendelevitch, and Christian von Hirschhausen (2014). *A Lower Carbon Strategy for the Electricity Sector of Kazakhstan to 2030/50: Scenarios for Generation and Network Development ; Technical Report*. Politikberatung kompakt 85. DIW Berlin, p. 54. https://www.diw.de/documents/publikationen/73/diw_01.c.478677.de/diwkompakt_2014-085.pdf.
9. Egerer, Jonas, Hauke Hermann, Christian von Hirschhausen, Felix Matthes, Karsten Neuhoff, Lothar Rausch, and Alexander Weber (2012). *Zum Netzentwicklungsplan (NEP) Strom 2012. Analyse des Entwurfs der Übertragungsnetzbetreiber vom 30. Mai 2012. – Stellungnahme für die Konsultation der Übertragungsnetzbetreiber*. Berlin, Germany. <http://www.oeko.de/oekodoc/1593/2012-449-de.pdf>.
10. Gerbaulet, Clemens, Jonas Egerer, Pao-Yu Oei, Judith Paeper, and Christian von Hirschhausen (2012a). *Die Zukunft der Braunkohle in Deutschland im Rahmen der Energiewende*. Politikberatung kompakt 69. DIW Berlin. https://www.diw.de/documents/publikationen/73/diw_01.c.412261.de/diwkompakt_2012-069.pdf.
11. Gerbaulet, Clemens, Jonas Egerer, Pao-Yu Oei, Judith Paeper, and Christian von Hirschhausen (2012b). *Die Zukunft der Braunkohle in Deutschland im Rahmen der Energiewende*. Politikberatung kompakt 69. DIW Berlin. https://www.diw.de/documents/publikationen/73/diw_01.c.412261.de/diwkompakt_2012-069.pdf.
12. Von Hirschhausen, Christian, Sophia Rüster, Claudio Marcantonini, He Xian, Jonas Egerer, and Jean-Michel Glachant (2012). *EU involvement in electricity and natural gas transmission grid tariffication: final report, January 2012*. Florence, Italy: European University Institute. doi:10.2870/35676.

Papers in conference proceedings

1. Egerer, Jonas and Wolf-Peter Schill (2014a). Optimal infrastructure investments for renewable energy integration in Germany. In: IEEE, pp.1–6. DOI: 10.1109/EEM.2014.6861306.
2. Lipp, Katharina and Jonas Egerer (2014). The flexibility of hydroelectric reservoir and pumped storage generation; Application to Switzerland. In: IEEE, pp.1–5. DOI: 10.1109/EEM.2014.6861295.
3. Egerer, Jonas, Casimir Lorenz, and Clemens Gerbaulet (2013). European electricity grid infrastructure expansion in a 2050 context. In: IEEE, pp.1–7. DOI: 10.1109/EEM.2013.6607408.
4. Egerer, Jonas, Juan Rosellon, and Wolf-Peter Schill (2013). Towards optimal regulation of transmission network investment under renewable integration. In: IEEE, pp.1–8. DOI: 10.1109/EEM.2013.6607277.

Book chapters

1. Egerer, Jonas, Pao-Yu Oei, and Casimir Lorenz (2018). "Renewable Energy Sources as the Cornerstone of the German Energiewende". In: *Energiewende "Made in Germany"*. Ed. by Christian von Hirschhausen, Clemens Gerbaulet, Claudia Kemfert, Casimir Lorenz, and Pao-Yu Oei. Cham: Springer International Publishing, pp.141–172. DOI: 10.1007/978-3-319-95126-3_6.
2. Holz, Franziska, Jonas Egerer, Clemens Gerbaulet, Pao-Yu Oei, Roman Mendelevitch, Anne Neumann, and Christian von Hirschhausen (2018). "Energy Infrastructures for the Low-Carbon Transformation in Europe". In: *Energiewende "Made in Germany"*. Ed. by Christian von Hirschhausen, Clemens Gerbaulet, Claudia Kemfert, Casimir Lorenz, and Pao-Yu Oei. Cham: Springer International Publishing, pp.283–317. DOI: 10.1007/978-3-319-95126-3_11.
3. Lorenz, Casimir, Jonas Egerer, and Clemens Gerbaulet (2018). "Cross-Border Cooperation in the European Context: Evidence from Regional Cooperation Initiatives". In: *Energiewende "Made in Germany"*. Ed. by Christian von Hirschhausen, Clemens Gerbaulet, Claudia Kemfert, Casimir Lorenz, and Pao-Yu Oei. Cham: Springer International Publishing, pp.319–344. DOI: 10.1007/978-3-319-95126-3_12. http://link.springer.com/10.1007/978-3-319-95126-3_12.

Presentations: invited and conferences

- "Transformation from Fossil Fuels to Hydrogen will reorganize Value Chains in the Industry" (invited), TU Berlin EnSys Journal Club, online, June 1, 2023.
- "Einladung als Sachverständiger zur öffentlichen Anhörung im Ausschuss für Umwelt, Naturschutz, nukleare Sicherheit und Verbraucherschutz (PA 16) zu dem Gesetzentwurf der Bundesregierung, Entwurf eines Neunzehnten Gesetzes zur Änderung des Atomgesetzes (19. AtGÄndG), BR-Drs. 529/22 und dem Gesetzentwurf der Fraktion der CDU/CSU eines Neunzehnten Gesetzes zur Änderung des Atomgesetzes (19. AtGÄndG), BT-Drs. 20/3488, Deutscher Bundestag, Berlin, November 9, 2022.
- "Investments in coupled energy sectors and market pricing", ENERDAY Conference, Dresden, Germany, September 30, 2022.
- "Kohleausstieg 2030 unter neuen Vorzeichen und Bedeutung von Wasserstoff", Infraday Conference, Berlin, Germany, September 23, 2022.
- "Energiamarktdesign im Rahmen der Klimaziele 2030", Die lange Nacht der Wissenschaften, Nürnberg, May 21, 2022.
- "Energiamarktdesign im Rahmen der Klimaziele 2030", gscheid-schlau - Das Lange Wochenende der Wissenschaften, online, October 24, 2021.
- "Kurz- und mittelfristige Anreize durch regionale Flexibilitätsmärkte im deutschen Stromsektor", N-Ergie seminar, online, July 11, 2020.
- "Modellierung regionaler Investitionen in Erzeugung und Übertragungsnetze", Bürgerdialog Stromnetz, Regionalnetzwerktreffen Franken, online, June 30, 2020.
- "The impact of neighboring markets on renewable locations, transmission expansion, and generation investment", 25th EAERE Annual Conference, online, June 26, 2020.
- "Risk Aversion in Uncertain Electricity Markets with Different Pricing Schemes", EnCN Jahreskonferenz, Nuremberg, Germany, December 5, 2019.
- "Structural Regulatory Uncertainty in Electricity Markets", 30th European Conference on Operational Research (EURO), Dublin, Ireland, June 25, 2019.
- "Die Energiewende in Deutschland", XXII. dialog-Symposium zum Thema "Zukunftsperspektiven erneuerbarer Energien in Deutschland und Russland", Tübingen, Germany, May 18, 2019.
- "Research for the next stage of the low-carbon energy transformation", Berlin Conference on Sustainable Energy and Infrastructure Economics and Policy (BELEC), Berlin, Germany, October 12, 2018.
- "Transmission and generation investment for a core market region within a larger electricity market", 41st IAEE International Conference, Groningen, Netherlands, June 12, 2018.
- "Transmission and generation investment for a core market region within a larger electricity market", ENERDAY Conference, Dresden, Germany, April 26, 2018.
- "Transmission and generation investment for a core market region within a larger electricity market", EnCN Annual Conference, Nuremberg, Germany, December 13, 2017.

- “National-strategic transmission investment and zonal pricing”, 15th IAEE European Conference, International Association for Energy Economics, Vienna, Austria, September 6, 2017.
- “Modeling inefficiencies in booking-based gas markets”, 21st Conference of the International Federation of Operational Research Societies (IFORS), Quebec City, Canada, July 18, 2017.
- “European Electricity Grid Infrastructure Expansion in a 2050 Context”, 2nd Berlin Conference on Electricity Economics, Berlin, Germany, May 28, 2015.
- “Two Bidding Zones in the German Electricity Market - Distributional Effects of Regional Price Signals”, IEWT 2015, 9. Internationale Energiewirtschaftstagung, Vienna, Austria, February 11, 2015.
- “Power System Transformation toward Renewables: the Modelling of Investment Scenarios for Germany”, 19ème séance du Séminaire de Recherches en Économie de l’Énergie de Paris-Sciences-Lettres, Paris, France, February 10, 2015.
- “Bedarf an Pumpspeichern, Interaktionen mit Investitionen in Übertragungsnetze und Gaskraftwerke (2024, 2034)”, Abschlussworkshop des Projektes StoRes, Berlin, Germany, December 11, 2014.
- “Two Price Zones in the German Electricity Market - Distributional Effects of Regional Price Signals”, Brown Bag Seminar of the Sustainability Cluster, DIW Berlin, Germany, November 13, 2014.
- “Two Price Zones in the German Electricity Market - Distributional Effects of Regional Price Signals”, 14th IAEE European Conference, International Association for Energy Economics, Rome, Italy, October 29, 2014.
- “Regional versus Bilateral Cost Sharing in Electricity Transmission Expansion”, 29th Annual Congress of the European Economic Association, Toulouse, France, August 26, 2014.
- “Market Power in the German Electricity Market - Increasing Renewable Shares and Congestion Management”, 20th Conference of the International Federation of Operational Research Societies (IFORS), Barcelona, Spain, July 14, 2014.
- “Optimal Infrastructure Investments for Renewable Energy Integration in Germany”, 11th International Conference on the European Energy Market, Krakow, Poland, May 29, 2014.
- “Optimal Infrastructure Investments for Renewable Energy Integration in Germany”, 9th Conference on Energy Economics and Technology, Dresden University of Technology, Dresden, Germany, April 11, 2014.
- “Studies of the European energy system - National motivations in an electricity transmission expansion game”, CenSES årskonferanse, Oslo, Norway, December 10, 2013.
- “Regional versus bilateral cost sharing in electricity transmission expansion”, 7th Annual Trans-Atlantic INFRADAY, Conference on Applied Infrastructure Modeling and Policy Analysis, Washington, D.C., USA, November 7, 2013.
- “Regional versus bilateral cost sharing in electricity transmission expansion”, 15th Young Energy Economists and Engineers Seminar (YEEES), Stockholm, Sweden, October 24, 2013.
- “Transmission Investment and Cost-sharing: A Theoretical Analysis and Numerical Application”, 1st Berlin Conference on Electricity Economics, Berlin, Germany, October 10, 2013.
- “Optimal utilization of the Norwegian renewable resources under different European policy scenarios”, Technoport Forum: Norway’s role in a renewable Europe, Trondheim, Norway, June 26, 2013.
- “European Electricity Grid Infrastructure Expansion in a 2050 Context”, 8th Conference on Energy Economics and Technology, Dresden University of Technology, Dresden, Germany, April 19, 2013.
- “Infrastructure Requirements for Regional and Inter-Temporal Integration of Fluctuating Renewable Generation in Germany”, 6th Annual Trans-Atlantic INFRADAY, Conference on Applied Infrastructure Modeling and Policy Analysis, Washington, D.C., USA, November 8-9, 2012.
- “Spatial Demand for new Electricity Infrastructure in Germany”, 7th Conference on Energy Economics and Technology, Dresden University of Technology, Dresden, Germany, April 08, 2012.
- “Techno-Economic Analysis of North Sea Offshore Grids”, 11. Workshop des PhD Student Chapter, Gesellschaft für Energiewissenschaft und Energiepolitik e. V., Berlin, Germany, November 25, 2011.
- “North Sea Offshore Grid Design - A Techno-Economic Analysis for Market Impacts in the North and Baltic Sea Region”, 11th Young Energy Economists and Engineers Seminar (YEEES), Universidad Pontificia Comillas, Madrid, Spain, November 24, 2011.
- “Multi-Objective Transmission Planning, Research Seminar”, Instituto de Investigación Tecnológica (IIT), Universidad Pontificia Comillas, Madrid, Spain, November 21, 2011.

- “North Sea Offshore Grid Design - A Techno-Economic Analysis for Market Impacts in the North and Baltic Sea Region”, 5th Annual Trans-Atlantic INFRADAY, Conference on Applied Infrastructure Modeling and Policy Analysis, Washington, D.C., USA, November 11, 2011.
- “North Sea Offshore Grid Design - A Techno-Economic Analysis for Market Impacts in the North and Baltic Sea Region”, 10th Conference on Applied Infrastructure Research, Berlin University of Technology, Berlin, Germany, October 9, 2011.
- “Planning the Offshore North and Baltic Sea Grid: A Study on Design Drivers, Welfare Aspects, and the Impact on the National Electricity Markets”, S.CO.RE Seminar, European University Institute, Florence, Italy, September 26, 2011.
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