

MARIE-LOUISE ARLT

Chair for Comparative Economics, Akademiestraße 1, 80799 Munich, Germany
marie-louise.arlt@econ.lmu.de

POSITIONS

Postdoctoral Fellow at Ludwig Maximilian University, Munich (Germany) Chair of Comparative Economics, Department of Economics	<i>Since 11/2020</i>
Visiting Student Researcher and Affiliate at Stanford University (US)	<i>04/2018 - 10/2020</i>
Affiliate and Visiting Scientist at SLAC, Menlo Park (US)	<i>04/2018 - 10/2020</i>
Visiting Scholar at Lawrence Berkeley National Lab (US)	<i>01/2017 - 09/2018</i>
Analyst at Ecofys GmbH, Berlin (Germany) Group "Energy Systems and Markets": consultancy services for clients such as the German Ministry of Economics and Energy, EU Commission, Agora Energiewende, and grid operators	<i>10/2015 - 12/2016</i>

EDUCATION

Ph.D. in Economics Albert Ludwig University of Freiburg, Germany, and Stanford University (visiting from 02/2018 to 09/2020) <i>Advisors:</i> Professor Dr. Dirk Neumann (Head of Ph.D. committee), University of Freiburg, and Professor Ram Rajagopal, Ph.D., Stanford University	<i>11/2016 - 10/2020</i>
Master of Science, Economics and Business Administration FernUniversitaet Hagen, Germany	<i>10/2011 - 07/2015</i>
Bachelor of Science, Engineering Science Technical University of Munich, Germany	<i>10/2011 - 10/2014</i>
Bachelor of Science, International Economics (European Studies) Eberhard Karl University Tuebingen, Germany Studies abroad at Higher School of Economics (Moscow), Russia (09/2009 - 04/2010)	<i>10/2007 - 03/2011</i>

RESEARCH INTERESTS

Energy markets; market design, mechanism design; optimization including dynamic programming, reinforcement learning, and neural nets.

SELECTION OF CURRENT RESEARCH PROJECTS AND WORKING PAPERS

Online Demand Response Programs for Constrained Local Electricity Systems (with G Gust and D Neumann), submitted
Intermediate results presented at: 2019 Winter Conference on Business Analytics, 2018 Meeting of the Production and Operations Management Society, 2018 USAEE/IAEE North American Conference

Contract Design for Flexible Load Aggregators (with D Neumann and R Rajagopal)
Intermediate results presented and published at: 2019 IEEE Power & Energy Society General Meeting, 2019 American Control Conference (ACC) (both with proceedings)

Market Engineering for Local Electricity Markets (with J Sweeney, D Chassin, and C Rivetta)
Intermediate results presented at: California Energy Commission (2019)

REFEREE ACTIVITIES

Journals: Applied Energy (7.9), BISE (3.392)
Conferences: ECIS, IEEE PES GM (judge at the best paper award session), ACC

AWARDS

Visiting Student Research Fellowship by Stanford University	<i>04/2018 - 03/2020</i>
Ph.D. scholarship of German Academic Scholarship Foundation	<i>02/2018 - 07/2020</i>
Scholarship of the German Academic Exchange Service (DAAD)	<i>07/2017 - 12/2017</i>
Scholarship of German Academic Scholarship Foundation	<i>09/2008 - 03/2015</i>
Scholarship of the “Alfried Krupp von Bohlen und Halbach“-Foundation	<i>09/2009 - 10/2010</i>

MEMBERSHIPS

Verein für Socialpolitik, International Association of Energy Economists (IAEE), Institute of Electrical and Electronics Engineers (IEEE)

OTHER SKILLS AND ACTIVITIES

- Technical Skills: Python, MySQL, Webcrawling, GridLAB-D, Keras, GAMS, Latex, MS Office
- German (native), English (proficient), Russian (fluent), French (fluent), Latin (Latinum)
- Strong interest in international relations: served as Chairperson of dialog e.V. - Association of German and Russian Economists (05/2013 - 05/2016); organized excursions to and conferences in Russia/Ukraine
- Speaker of the Bay-Area group of the German Academic Scholarship Foundation (2018/19)