

FABIAN NEUMANN

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EDUCATION	Doctoral candidate in Energy Informatics Karlsruhe Institute of Technology, Dept. of Informatics, Germany <ul style="list-style-type: none">▪ <i>Methodologies to Improve Network Representations in Energy System Models</i> (link)	May 2018 – today
	MSc Sustainable Energy Systems (<i>with distinction</i>) The University of Edinburgh, School of Engineering, Scotland <ul style="list-style-type: none">▪ <i>Optimal Scheduling of Electric Vehicles in Distribution Networks</i> (link)	Sep 2016 – Aug 2017
	BSc Industrial Engineering (<i>II.1, good</i>) Karlsruhe Institute of Technology, Dept. of Economics, Germany <ul style="list-style-type: none">▪ <i>Scheduling of Heat Pumps Using Genetic Algorithms</i> (link)	Oct 2013 – Aug 2016
	High School Diploma (<i>1.0, very good</i>) Freiherr-vom-Stein-Gymnasium Hamm (<i>bilingual, with 3 months student exchange</i>)	Jun 2013
EXPERIENCE	Research Fellow Fraunhofer Institute for Systems and Innovation Research (ISI), Karlsruhe <ul style="list-style-type: none">▪ <i>Renewable energy import options for the transport sector (BMVI)</i>▪ <i>Contributions of the gas sector for the energy transition (UBA)</i>▪ <i>Generation and use of methane from renewable sources (BMW i)</i>	Oct 2017 – Apr 2018
	Research Assistant FZI Research Center for Information Technology, Karlsruhe <ul style="list-style-type: none">▪ <i>Optimisation and simulation of heat pump scheduling for demand-side management</i>	Jun 2015 – Dec 2016
	Intern , Hella Automotive Electronics, Xiamen, China	Jul 2013 – Aug 2013
	Intern , German Aerospace Center (DLR), Cologne	Sep 2012 – Sep 2012
SKILLS	Languages: German (native), English (C2), Spanish (A2) Programming: Python, Julia, Java, Latex, MATLAB	
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none">▪ Full scholarship by the German Academic Scholarship Foundation, 2013–2017▪ Award for Outstanding Student Engagement (KIT), 2016	
ACTIVITIES	<ul style="list-style-type: none">▪ Member of the Open Energy Modelling Initiative (openmod)▪ Member of the party Alliance 90 / The Greens▪ Member and Chairman of Model United Nations Initiative Karlsruhe, 2013–2016	
TEACHING	Courses <ul style="list-style-type: none">▪ Tutorials for Energy System Modelling, KIT, 2018▪ Seminar in Energy Informatics, KIT, 2018 Theses <ul style="list-style-type: none">▪ Automatic Selection of Candidate Lines in Transmission Expansion Planning▪ Evaluation of Possible Renewable Energy Import Options for the Transport Sector▪ Use of Renewable Synthetic Fuels in Decarbonised Shipping▪ Use of Renewable Synthetic Fuels in Decarbonised Aviation	