

Curriculum Vitae

ewi



Cordelia Frings

cordelia.frings@uni-koeln.de
Vogelsangerstr. 321a, 50827 Köln

Wirtschafts- und Sozialwissenschaftliche Fakultät

Staatswissenschaftliches Seminar

Mikroökonomik, Institutionen und Märkte

Prof. Dr. Marc Oliver Bettzüge

Lehrstuhl für Wirtschaftliche Staatswissenschaften,
insbesondere Energiewirtschaftslehre

Education

Since 12/2015

Doctoral Candidate in Economics

Energiewirtschaftliches Institut (ewi), University of Cologne

- Focus: Energy Economics, Household Decisions
- Supervisor: Prof. Dr. Marc Oliver Bettzüge

09/2013 – 03/2015

Master in Energy Engineering (M.Sc.)

RWTH Aachen University

- Focus: Renewable Energy
- Thesis: Simulation Based Analysis of Hydrogen Salt Cavern Performance

10/2009-09/2013

Bachelor in Mechanical Engineering (B.Sc.)

RWTH Aachen University

- Focus: Energy Engineering
- Thesis: Analysis and Evaluation of the Impact of Modified Combustion Process Parameters on the Efficiency of Fossil-Fired Power Plants

06/2009

Abitur

Ernst-Mach Gymnasium Hürth

Academic and Scientific Employment

Since 06/2016

Research Associate

Lehrstuhl für Wirtschaftliche Staatswissenschaften, insbesondere
Energiewirtschaftslehre, University of Cologne

- Supervision of the term papers in "Seminar in Energy, Resource and Environmental Economic" (Master level)
- Supervision and mentoring of Bachelor and Master theses
- Teaching assistant for the exercises in "Introduction to Energy, Climate Change and Sustainability" (Bachelor level)
- Administration of the seminars and supervision of the term papers in "Seminar in Energy, Climate Change and Sustainability" (Bachelor level)

12/2015-12/2017

Research Associate

ewi Energy Research & Scenarios gGmbH, Cologne

- Main research areas:
 - Household investment behaviour and possible incentives
 - Impact of electricity and gas price components on the heating market
 - Electricity grid regulation
- Projects on energy grid simulation and regulation, electricity markets and heating device implementation

- Development of several studies in the context of the EWI Topic Networks
- 10/2014 – 03/2015 **Research Assistant**
 Institute of Energy and Climate Research at the research centre Jülich
- Literature and data research regarding modelling approaches
 - Development, implementation, composition and evaluation of energy system compound models
 - Technical and economic analysis of the performance of caverns
- 01/2012-07/2012 **Teaching Assistant**
 AVT (Aachener Verfahrenstechnik), RWTH Aachen University, Aachen
- Teaching Assistant for the exercise in “Simulation Techniques for Mechanical Engineers” (Bachelor level)
- 06/2010-12/2011 **Research Assistant**
 LTT (Lehrstuhl für Technische Thermodynamik), RWTH Aachen University, Aachen
- Assisting work for the research group “energy system technologies”
 - Research and analysis of different life-cycle-impact assessment methodologies

Other Professional Experience

- 05/2013-09/2014 **Working Student**
 EUtech Scientific Engineering GmbH, Aachen
- Evaluation of the energetic efficiency of large steam generators
 - Component modelling of power plant boilers
 - Data processing and analysis
- 08/2009-09/2009 **Intern**
 E.ON-UK Grain Power Station, Isle of Grain Rochester, UK

Publications

Gebäudestudie- Szenarien für eine marktwirtschaftliche Klima- und Ressourcenschutzpolitik 2050 im Gebäudesektor,
 Study of dena, geea and other organisations of the field building energy efficiency (with ewi ER&S). 10/2017

Research Interests

Energy Markets, Heat market, Energy system household, Investment strategies of households, Market regulation

Further information

- Languages German (native speaker)
 English (fluent)
- Computer Skills Microsoft Office, Latex, MatLab, Python, GAMS, Dymola