



Curriculum Vitae
Dr. Simon Schulte
Manager & Head of Gas Markets

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Consultation by appointment

Working Experience

Since 2019

Manager and Head of Gas Markets at the Institute of Energy Economics at the University of Cologne (EWI)

2015-2019

Research Associate and doctoral candidate at the Institute of Energy Economics at the University of Cologne (EWI)

2013 - 2014

Student assistant at the chair for energy economics at the Dresden University of Technology

2011

Student assistant in the field of R&D: Process technology, MICRODYN NADIR GmbH, Wiesbaden, Germany

2009

Commercial executive in the field of quality management, Heinz Arens GmbH, Attendorn-Ennest, Germany

Education

2019

Degree: Dr. rer. pol.

Dissertation: Essays on supply diversification of the European natural gas market

2015-2018/19?

Ph.D. studies in Economics at the University of Cologne

2014

Degree: Master of Science in Industrial Engineering

Thesis: Development of a European natural gas market model for the security of supply analysis - Potential impacts of the Russia-Ukraine conflict on the European Union's security of supply

2012 - 2014

Master's study in Industrial Engineering at the Dresden University of Technology

Major: Energy Economics, Accounting & Finance, Energy Engineering

2014

Study abroad at the Norwegian School of Economics (NHH) in Bergen

2012

Degree: Bachelor of Science in Industrial Engineering

Thesis: Optimization of production cost for the industrial cryogenic liquefaction of air gasses under the impact of volatile electricity prices

2011

Study abroad at the University of California, Los Angeles, US

2009 - 2012

Bachelor study in Industrial Engineering

Major: Chemical Engineering

Internships

Internship in the field of Advisory, PricewaterhouseCoopers, Düsseldorf/Germany, 2013

Internship at the department Pipeline & Efficiency, AIR LIQUIDE Deutschland GmbH, Düsseldorf/Germany, 2012

Research Interests

Strategic behaviour, gas market modelling, natural gas security, diversification of the European natural gas supply, sector coupling, hydrogen economy and synthetic fuels

Selected Projects

- Erdgas BRIDGE: The Future Role of Natural Gas in the German Energy Transition (ongoing project)
Client: Federal Ministry for Economic Affairs and Energy (BMWi)
- Discussion of potential challenges of security of supply in the German electricity market 2.0
Client: Industry
- Analysis of the coal phase out on wholesale prices and further power cost components of energy intensive industries; development of potential compensation mechanisms.
Client: Industry
- The development of natural gas hub price differentials in NWE
Client: Industry
- IEA Coal 2018 Market and Analysis Report
Client: International Energy Agency (IEA)
- IEA Coal 2017 Market and Analysis Report
Client: International Energy Agency (IEA)
- Fundamental Modelling of the global gas market
Client: Industry
- Financial screening of projects in the framework of the Central and South-Eastern European Gas Connectivity (CESEC) initiative
Client: EU commission, General direction energy
- Turkey's role as a Future Energy Hub
Client: Stiftung Mercator
- Options for gas supply diversification of Germany and the EU
Client: Federal Foreign Office of Germany
- Future gas demand and gas flows of North-Western Europe
Client: Industry
- The impact of a Nord Stream 2 expansion and "more capacity" on the European natural gas flows - A model based analysis with the TIGER model
Client: Industry
- Ukraine Gas Prices
Client: Industry
- EWI Security of Supply Update - Simulation of current gas market developments in Europe with a special focus on Germany
Client: EWI
- The Contribution of Gas Storages to the Security of Supply with Natural Gas
Client: Industry

Selected Publications

Articles

- **Die trilateralen Gasgespräche**
et - Energiewirtschaftliche Tagesfragen, 12 2019 (with E. Çam, M. Schöfnisch).
- **Die Bedeutung des Rheins im deutschen Energiesystem**
et - Energiewirtschaftliche Tagesfragen, Vol. 69 (4), pp. 45-46 (with M. Schöfnisch).
- **Natural Gas Transits and Market Power: The Case of Turkey**
In: The Energy Journal, Vol. 40 (2), (forthcoming), 2019 (with F. Weiser).

- **LNG import quotas in Lithuania - Economic effects of breaking Gazprom's natural gas monopoly**
In: Energy Economics, Vol. 78, pp. 174-181 (forthcoming), 2019 (with F. Weiser).
- **Die Zukunft der russischen Erdgastransite durch die Ukraine**
et - Energiewirtschaftliche Tagesfragen, Vol. 68 (4), pp. 59-60, 2018
- **Perspektiven des Erdgastransits durch die Ukraine**
Ukraine-Analysen No. 195, 2018
- **Coal 2017 - Analysis and Forecast to 2022**
IEA Market Report Series, 2017 (with E. Çam, Yunhui Liu, Carlos Fernandez Alvarez)
- **Future European Gas Transmission Bottlenecks in Differing Supply and Demand Scenarios**
ewi ER&S/OIES Study (with H. Hecking, F. Weiser, H. Rogers, B. Petrowitsch)
- **Aktuelle Entwicklungen auf den Kohle- und Gasmärkten und ihre Rückwirkung auf die Merit Order**
et - Energiewirtschaftliche Tagesfragen, Vol. 67 (6), pp. 34-38, 2017 (with H. Hecking, M. Schönfisch, E. Cam)
- **Nord Stream 2: Gazproms Antwort auf einen strategischen Nachteil?**
et - Energiewirtschaftliche Tagesfragen, Vol. 67 (5), pp. 31-34, 2017 (with H. Hecking).
- **An Economic Assessment of Turkey's Future Role in European Oil and Gas Supply Security.**
Turkey as an Energy Hub? Contributions on Turkey's Role in EU Energy Supply, pp. 143-186, 2017 (with I. Berk, E. Çam).

Working Papers

- **Natural Gas Transits and Market Power - The Case of Turkey**
EWI Working Paper 2017/06 (with F. Weiser)
- **Turkey's Role in Natural Gas - Becoming a Transit Country?**
EWI Working Paper 2017/01 (with I. Berk).

