

Karsten Schroer

E-mail: karsten.schroer@uni-koeln.de



EDUCATION

- 2018-22 **University of Cologne, DE**
PhD at the Chair of Information Systems for Sustainable Society (IS3)
- 2014-15 **University of Cambridge, UK**
MPhil Industrial Systems, Manufacturing and Management; First Class (Top 5%)
Master's Thesis on Business Model Innovation in Additive Manufacturing
- 2010-13 **University of Birmingham, UK**
B.Eng. Engineering with Business Management; First Class (Top 5%)
Bachelor's Thesis on renewable Diesel fuels
- 2007-10 **International German School of Brussels, BE**
Abitur (German A-level equivalent)
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EXPERIENCE

- since Apr 2018 **University of Cologne, DE**
 - > *Doctoral Researcher with research focus on how data science and machine learning can be leveraged to facilitate the new energy & mobility ecosystem*
 - > *Tutoring responsibility for Bachelor and Master courses in data science, machine learning and sustainability*
 - > *Thesis supervision responsibilities for Bachelor, Master and MBA students*
- Feb 2016-Mar 2018 **Roland Berger, DE**
 - > *Consultant in the energy and utilities practice*
 - > *Leading own work streams on strategy development and restructuring projects as well as M&A transactions in Germany and Europe.*
 - > *Clients include private equity and public listed companies in energy, oil&gas and chemicals.*
- Mar-May 2014 **McKinsey & Company, DE**
 - > *Fellow intern supporting an operational excellence and store concept re-launch project for an international fashion retailer*
- Dec 2013-Feb 2014 **Innogy Consulting, DE/PL**
 - > *Junior Consultant supporting a scenario-based outlook on the future of the Polish energy ecosystem and deducting strategic implications for RWE*
- Aug-Nov 2013 **Simon Kucher & Partners, DE**
 - > *Associate Consultant supporting the conceptualization of a web-based forecasting tool for price promotions at a major German supermarket chain*
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SCHOLARSHIPS AND PRIZES

2016	The Frederick Alfred Warren Prize (<i>Cambridge University, Department of Engineering</i>)
2014	DAAD Scholarship 2014/15 for Graduates (<i>German Academic Exchange Service</i>)
2013	Ellis, Linning and Sandifer Prize (<i>University of Birmingham</i>)
2012	Gilbert Walker Prize (<i>University of Birmingham</i>)
2011-14	e-fellows Scholarship
2010-12	First Class Scholarship (<i>University of Birmingham</i>)

ACADEMIC PUBLICATIONS

2015	Herreros, J.M., Schroer, K., Sukjit, E., Tsolakis, A., 2015. Extending the environmental benefits of ethanol–diesel blends through DGE incorporation. <i>Applied Energy</i> , 146(x), pp.335–343.
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