

andreasmoser

research, energy management systems, software



contact

BEST GmbH
Andreas Moser
Inffeldgasse 21b
8010 Graz
Austria

andreas.moser@
best-research.eu

languages

german mother tongue
englisch C1
spanish B2

programming

Julia
MATLAB
GAMS
LabVIEW
C/C++/C#
HTML/CSS/JavaScript
Java
Structured Text (ST)

experience

- since 2019 **BEST - Bioenergy and Sustainable Technologies GmbH** Graz, Styria
Researcher
Area for automation and control; Energy management systems
- 2016–2019 **BEST - Bioenergy and Sustainable Technologies GmbH** Graz, Styria
Junior Researcher
Area for automation and control; Energy management systems
- 2011–2013 **Carinthia University of Applied Sciences** Villach, Carinthia
Scientific Project Assistant
- 2009–2011 **Infineon Technologies IT-Services GmbH** Klagenfurt & Villach, Carinthia
IT-Service Desk Agent, Business Intelligence Programmer
- 2009 **Austrian Armed Forces** Vienna
Web Developer

education

- since 2017 **Doctoral** programme in Engineering Sciences Graz University of Technology
Working title of dissertation:
Model predictive control methods for hybrid energy systems
- 2013–2016 **Master** of Science in Engineering Graz University of Technology
Specialization in control systems
- 2015 **Erasmus+** stay in The Netherlands Delft University of Technology
Faculty of Electrical Engineering, Mathematics and Computer Science
- 2010–2013 **Bachelor** of Science in Engineering Carinthia University of Applied Sciences
Specialization in embedded electronics
- 2004–2009 **A-levels** in Information Technologies Higher Technical School Villach
Specialization in networking technologies

selected publications*

A. Moser, D. Muschick, M. Gölles, P. Nageler, H. Schranzhofer, T. Mach, C. R. Tugores, I. Leusbrock, S. Stark, F. Lackner, and A. Hofer. A MILP-based modular energy management system for urban multi-energy systems: Performance and sensitivity analysis. *Applied Energy*, 261:114342, 2020

K. Lichtenegger, A. Leitner, T. Märzinger, C. Mair, A. Moser, D. Wöss, C. Schmidl, and T. Pröll. Decentralized heating grid operation: A comparison of centralized and agent-based optimization. *Sustainable Energy, Grids and Networks*, 21:100300, 2020

A. Moser, D. Muschick, M. Gölles, W. Lerch, H. Schranzhofer, P. Nageler, T. Mach, C. Ribas Tugores, and I. Leusbrock. Co-Simulation of an Energy Management System for Future City District Energy Systems. In *Proceedings of the International Conference on Innovative Applied Energy*, 2019

A. Moser, D. Muschick, M. Gölles, T. Mach, H. Schranzhofer, I. Leusbrock, and C. Ribas Tugores. ÖKO-OPT-QUART - Ökonomisch optimiertes Regelungs- und Betriebsverhalten komplexer Energieverbände zukünftiger Stadtquartiere (FFG Endbericht/Stadt der Zukunft), 2019

A. Moser, D. Muschick, K. Lichtenegger, M. Gölles, and A. Hofer. Modellprädiktive Regelung eines solar- und biomassebasierten Fernwärmenetzes. In *Zukunft der Gebäude*, volume 16, pages 151–159. Leykam, 2017

*See [Research Gate](#) for a full list of publications.