

## PERSONAL INFORMATION

**Mark Stefan**

-  Giefinggasse 2, 1210 Vienna
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Sex male | Date of birth 27/10/1983 | Nationality Austria

## WORK EXPERIENCE

Since 2019

**Senior Research Engineer & Thematic Coordinator**

AIT Austrian Institute of Technology GmbH, Vienna, [www.ait.ac.at](http://www.ait.ac.at)

- Project management
- Project-portfolio management
- Team management

Business or sector Research

2014 – 2019

**Research Engineer**

AIT Austrian Institute of Technology GmbH, Vienna, [www.ait.ac.at](http://www.ait.ac.at)

- Research and development
- Project management

Business or sector Research

2012 – 2014

**Project assistant**

Vienna University of Technology, [www.tuwien.ac.at](http://www.tuwien.ac.at)

- Optimization of railway systems

Business or sector Research

2011 – 2012

**Software and function development**

Robert Bosch AG, Vienna

- Software and function development
- Documentation
- Testing
- Project management

Business or sector R&D

2009 – 2012

**Software and function development**

ePunkt Internet Recruiting (Robert Bosch AG); Vienna

- Software and function development
- Documentation
- Testing, project management

Business or sector R&D

EDUCATION AND TRAINING

- 2012 – 2014 **Dr. techn.; PhD-studies (Computer science)**  
Vienna University of Technology
- 2008 – 2009 **Dipl.-Ing.; Master-studies (Technical computer science)**  
Vienna University of Technology
- 2004 – 2008 **BSc; Bachelor-studies (Technical computer science)**  
Vienna University of Technology

PERSONAL SKILLS

Mother tongue(s) German

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills ▪ good communication skills (gained through my experience as project manager and thematic coordinator)

Organisational / managerial skills ▪ leadership (responsible for a team of 12 people)  
 ▪ strategic research portfolio development (thematic coordinator)

- Digital skills
- Microsoft Office Excellent
  - Programming languages (Assembler, Ada, C, C++, C#, Java, JavaScript, Perl, PHP, Python, VBA, VHDL) Excellent
  - Database (SQL, MySQL) Excellent
  - Linux, MS Windows Excellent
  - MATLAB/Simulink Good
  - Mathematica, Mathcad Good
  - PowerFactory Good
  - LaTeX Excellent
  - CISCO Networking Academy Program Go

Driving licence B

## ADDITIONAL INFORMATION

[Publications](#)  
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[Conferences](#)  
[Seminars](#)  
[Honours and awards](#)  
[Memberships](#)  
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Dates	Publication title	Co-authors
2021	Optimal capacity management applied to a low voltage distribution grid in a local peer-to-peer energy community	B.V. Rao, T. Brunnhofer, R. Schwalbe, R. Karl, F. Kupzog, G. Taljan, F. Zeilinger, P. Stern, M. Kozek
2021	Stratified Control Applied to a Three-Phase Unbalanced Low Voltage Distribution Grid in a Local Peer-to-Peer Energy Community	B.V. Rao, R. Schwalbe, R. Karl, F. Kupzog, M. Kozek
2021	Grid Capacity Management for peer-to-peer Local Energy Communities	B.V. Rao, R. Schwalbe, F. Zeilinger, A. Schenk, A. Frischenschlager, P. Stern, G. Taljan
2021	Blockchain Technology and Peer-to-Peer Trading in Energy Communities: A Regulatory Perspective	S. Cejka, K. Poplavskaya, C. Monsberger
2020	Blockchain-based self-consumption optimization and energy trading in Renewable Energy Communities	P. Zehetbauer, S. Cejka, F. Zeilinger, G. Taljan
2020	The role of IT in energy systems: the digital revolution as part of the problem or part of the solution	F. Kupzog, R. King
2020	A blockchain-based privacy-friendly Renewable Energy Community	S. Cejka, F. Zeilinger, A. Veseli, M. Holzleitner
2020	Planning and operating future energy communities	S. Cejka, A. Einfalt, K. Poplavskaya, F. Zeilinger
2019	Datenschutz in Blockchain-basierten Erneuerbaren-Energie-Gemeinschaften	S. Cejka, F. Zeilinger, P. Stern, K. Poplavskaya, G. Taljan, J. Petek
2019	Blockchain-based self-consumption optimization in local energy communities	R. Hemm, F. Kupzog, M. Niederkofler, A. Schneemann
2018	Blockchain-based solutions in energy communities and the significance for Austrian energy stakeholders	T. Tötzer
2018	Operation of Modular Smart Grid Applications Interacting through a Distributed Middleware	S. Cejka, A. Frischenschlager, M. Faschang, K. Diwold
2018	Integration of a PV energy balancing and trading mechanism in a microgrid	S. Bessler, F. Kupzog
2018	Simulation-Based Cost-Benefit Analysis for Innovative Components in Low Voltage Grids	P. Zehetbauer, K. Hamad, E. Moreno-Jimenez, W. Prügler, R. Sperr
2018	Distribution Grid Topology Validation and Identification by Graph-based Load Profile Analysis	M. Faschang, S. Cejka, K. Diwold, A. Einfalt, A. Frischenschlager
2017	Interaction of smart grid applications supporting Plug & Automate for intelligent secondary substations	F. Kupzog, A. Einfalt, S. Cejka, K. Diwold, A. Frischenschlager, M. Faschang
2016	Provisioning, deployment, and operation of smart grid applications on substation level: Bringing future smart grid functionality to power distribution grids	M. Faschang, S. Cejka, A. Frischenschlager, A. Einfalt, K. Diwold, F. Prössl Andren, T. Strasser, F. Kupzog