

**Current positions**

Head of Research Area Automated Image and Data Analysis, Institute for Automation and Applied Informatics (IAI), KIT (since 2017)

Adjunct professor, Department for Mechanical Engineering, KIT (since 2011)

Previous positions (two selected)

Group leader, Institute for Applied Computer Science (IAI), KIT (2001-2017)

Scientist, Institute for Applied Computer Science (IAI), KIT (1998-2001)

Scientific degrees

Dr.-Ing. (PhD) in Mechanical Engineering, University of Karlsruhe, Germany (1999)

Recent research topics

Machine learning, data analytics, forecasting, big data

Awards, honors, memberships

Steering Board Member Helmholtz Artificial Intelligence Cooperation Unit HAICU (since 2019), Speaker Graduate School HIDSS4Health (since 2019), Board member, at – Automatisierungstechnik (since 2015)

Publications (5 most important)

- N. Ludwig, S. Waczowicz, C. Düpmeier, R. Mikut, V. Hagenmeyer, et al., Concept and benchmark results for Big Data energy forecasting based on Apache Spark, *J. Big Data* 5, e11 (2018) [doi:10.1186/s40537-018-0119-6](https://doi.org/10.1186/s40537-018-0119-6)
- J. González Ordiano, S. Waczowicz, V. Hagenmeyer, R. Mikut, Energy Forecasting Tools and Services, *Wiley Interdisciplinary Reviews: Data Min. and Knowl. Disc.* 8, e1235 (2018) [doi:10.1002/widm.1235](https://doi.org/10.1002/widm.1235)
- R. Appino, J. González Ordiano, R. Mikut, T. Faulwasser, V. Hagenmeyer, On the Use of Probabilistic Forecasts in Scheduling of Renewable Energy Sources Coupled to Storages, *Appl. Energ.* 210, (2017) [doi:10.1016/j.apenergy.2017.08.133](https://doi.org/10.1016/j.apenergy.2017.08.133)
- S. Waczowicz, I. Konotop, D. Westermann, V. Hagenmeyer, R. Mikut, et al., Virtual Storages as Theoretically Motivated Demand Response Models for Enhanced Smart Grid Operations. *Energy Technology* 4, 163 (2016) [doi:10.1002/ente.201500318](https://doi.org/10.1002/ente.201500318)
- H. Maaß, H. Cakmak, R. Mikut, W. Süß, K. Stucky, U. Kühnapfel, V. Hagenmeyer, et al., Data processing of high-rate low-voltage distribution grid recordings for smart grid monitoring and analysis. *EURASIP J Adv. Sig. Pr.* 14 (2015) [doi:10.1186/s13634-015-0203-4](https://doi.org/10.1186/s13634-015-0203-4)