Max Domagk

Wissenschaftlicher Mitarbeiter

Institut für Elektrische Energieversorgung und Hochspannungstechnik, Technische Universität Dresden

+49 351 463-35223 | max.domagk@tu-dresden.de | Max-Domagk

Ausbildung

Monash University *Clayton, Australia*

BCom (Hons) in Econometrics *Mar. 2017 - Nov. 2017*

- Recipient of the Econometrics Honours Memorial Scholarship, Dean's Honour, Dean's Commendation, and best in class for 5 units.
- Honours research project was to develop a state space model for quickly forecasting time series with multiple seasonalities.
- Studied units include Bayesian and frequentist econometrics, advanced statistical modelling and computational science.

Veröffentlichungen (ausgewählt)

1. Domagk, M., Meyer, J., & Schegner, P. (2015). Seasonal variations in long-term measurements of power quality parameters. *2015 IEEE Eindhoven PowerTech*, 1–6. https://doi.org/10.1109/PTC.2015.7232396
2. Domagk, M., Zyabkina, O., Meyer, J., & Schegner, P. (2015). Trend identification in power quality measurements. *2015 Australasian Universities Power Engineering Conference (AUPEC)*, 1–6. https://doi.org/10.1109/AUPEC.2015.7324851
3. Zyabkina, O., Domagk, M., Meyer, J., & Schegner, P. (2016). Classification and identification of anomalies in time series of power quality measurements. *2016 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe)*, 1–6. https://doi.org/10.1109/ISGTEurope.2016.7856290
4. Meyer, J., Blanco, A.-M., Domagk, M., & Schegner, P. (2017). Assessment of Prevailing Harmonic Current Emission in Public Low-Voltage Networks. *IEEE Transactions on Power Delivery*, *32*(2), 962–970. https://doi.org/10.1109/TPWRD.2016.2558187
5. Domagk, M., Meyer, J., Hoven, M., Malekian, K., Safargholi, F., & Kuech, K. (2017). Probabilistic comparison of methods for calculating harmonic current emission limits. *2017 IEEE Manchester PowerTech*, 1–6. https://doi.org/10.1109/PTC.2017.7981206
6. Gasch, E., Domagk, M., Stiegler, R., & Meyer, J. (2017). Uncertainty Evaluation for the Impact of Measurement Accuracy on Power Quality Parameters. *2017 IEEE International Workshop on Applied Measurements for Power Systems (AMPS)*, 1–6. https://doi.org/10.1109/AMPS.2017.8078344
7. Zyabkina, O., Domagk, M., Meyer, J., & Schegner, P. (2018). A Feature-Based Method for Automatic Anomaly Identification in Power Quality Measurements. *2018 IEEE International Conference on Probabilistic Methods Applied to Power Systems (PMAPS)*, 1–6. https://doi.org/10.1109/PMAPS.2018.8440460
8. Domagk, M., Meyer, J., Muehlberg, M., Ackermann, F., Reichert, S., Meyer, M. F., Kaatz, G., Fricke, B., Safargholi, F., Vennegerts, H., Hoven, M., Santjer, F., & Malekian, K. (2019). Impact of Renewable Generation on the Harmonic Distortion in Distribution Networks: Key Findings of the Research Project Netzharmonie. *25th International Conference on Electricity Distribution (CIRED)*, 5.
9. Domagk, M., Stiegler, R., & Meyer, J. (2019). Measurement Based Identification of Equivalent Circuit Models for Aggregated Harmonic Impedances of Public Low Voltage Grids. *2019 IEEE Milan PowerTech*, 1–6. https://doi.org/10.1109/PTC.2019.8810496
10. Domagk, M., Gu, I. Y.-H., Meyer, J., & Schegner, P. (2021). Automatic Identification of Different Types of Consumer Configurations by Using Harmonic Current Measurements. *Applied Sciences*, *11*(8), 3598. https://doi.org/10.3390/app11083598
11. Domagk, M., Meyer, J., Wang, T., Feng, D., & Huang, W. (2021). Automatic Identification of Correlations in Large Amounts of Power Quality Data from Long-Term Measurement Campaigns. *CIRED 2021 - The 26th International Conference and Exhibition on Electricity Distribution*, 911–915. https://doi.org/10.1049/icp.2021.1489
12. Domagk, M., Meyer, J., Wang, T., Feng, D., Huang, W., Mayer, H., Wenig, S., Lindner, M., & Amrhein, J.-H. (2022). Trend Analysis for Power Quality Parameters based on Long-term Measurement Campaigns. *20th International Conference on Harmonics and Quality of Power (ICHQP)*.