

**Current positions**

Full Professor and Head of the Institute of Electric Energy Systems and High-Voltage Technology at KIT (since 2002)

Previous positions (two selected)

Technical Director of the Business Unit “Service and Customer Support” of the SIEMENS Business Area Transformers, Germany (2001-2002)
Different leading functions at SIEMENS AG, Germany (1996-2001)

Scientific degrees

Dr.-Ing. (PhD), University of Stuttgart, Germany (1996)
Diploma in Electrical Engineering, University of Stuttgart, Germany (1990)

Recent research topics

Electric Energy Systems Stability and Control, HVDC Systems, High-Voltage Technology

Awards, honors, memberships

Member of IEEE, Personal Member of CIGRE and VDE, Chairman of the Master/Diploma Examination Board (2002-2014) and Dean of the KIT Faculty of Electrical Engineering and Information Technology (2014-2018)

Publications/Patents (5 most important)

- S. Wenig, M. Goertz, C. Hirsching, **M. Suriyah, T. Leibfried**, On Full-Bridge Bipolar MMC-HVdc Control and Protection for Transient Fault and Interaction Studies, *IEEE T Power Deliver* 33, 2864 (2018) [doi:10.1109/TPWRD.2018.2823770](https://doi.org/10.1109/TPWRD.2018.2823770)
- M. Goertz, S. Wenig, C. Hirsching, M. Kahl, **M. Suriyah, T. Leibfried**, Analysis of Extruded HVDC Cable Systems Exposed to Lightning Strokes, *IEEE T Power Deliver* 33, 3009 (2018) [doi:10.1109/TPWRD.2018.2858569](https://doi.org/10.1109/TPWRD.2018.2858569)
- S. König, **M. Suriyah und T. Leibfried**, A plug flow reactor model of a vanadium redox flow battery considering the conductive current collectors, *J. Power Sources* 360, 221 (2017) [doi:10.1016/j.jpowsour.2017.05.085](https://doi.org/10.1016/j.jpowsour.2017.05.085)
- R. Sander, **M. Suriyah, T. Leibfried**, Characterization of a Countercurrent Injection-Based HVDC Circuit Breaker, *IEEE T Power Electr.* 33, 2948 (2018) [doi:10.1109/TPEL.2017.2709785](https://doi.org/10.1109/TPEL.2017.2709785)
- N. Meyer-Huebner, **M. Suriyah, T. Leibfried**, Distributed Optimal Power Flow in Hybrid AC-DC Grids, *IEEE T Power Syst.* 34, 2937 (2019) [doi: 10.1109/TPWRS.2019.2892240](https://doi.org/10.1109/TPWRS.2019.2892240)