Dipl. -Ing. Valentin Kaisermayer

BEST – Bioenergy and Sustainable Technologies GmbH
Institute of Automation and Control, Graz University of Technology

Studies

since 2018	PhD Program in Electrical Engineering at Graz University of Technology
2017	Diploma thesis at Institute of Automation and Control at Graz University of Technology on the subject: Observation and control of hyperbolic distributed parameter systems using the example of a pressure control system
2016-2017	Master Degree Program in Electrical Engineering at Graz University of Technology, specialization in Automation and Control (Dipl. -Ing.), (Graduated with distinction)
2012-2016	Bachelor Degree Program in Electrical Engineering at Graz University of Technology, specialization in Automation and Control (B.Sc.), (Graduated with distinction)

Professional Career

since 2021	Researcher at BEST - Bioenergy and Sustainable Technologies GmbH, Area Automation and Control
2018 - 2021	Junior Researcher at BEST - Bioenergy and Sustainable Technologies GmbH, Area Automation and Control
since 2018	University project assistant at Institute of Automation and Control at Graz University of Technology
2017	University project assistant at Institute of Automation and Control at Graz University of Technology

Selected Research Outputs

Kaisermayer, V, Binder, J, Muschick, D, Beck, G, Rosegger, W, Horn, M, Gölles, M, Kelz, J & Leusbrock, I 2022, 'Smart control of interconnected district heating networks on the example of “100% Renewable District Heating Leibnitz”', *Smart Energy*, vol. 6, 100069. https://doi.org/10.1016/j.segy.2022.100069

Kaisermayer, V, Muschick, D, Horn, M & Gölles, M 2021, 'Operation of coupled multi-owner district heating networks via distributed optimization', *Energy Reports*, vol. 7, no. Suppl. 4, pp. 273-281. https://doi.org/10.1016/j.egyr.2021.08.145

Unterberger, V, Lichtenegger, K, Kaisermayer, V, Gölles, M & Horn, M 2021, 'An adaptive short-term forecasting method for the energy yield of flat-plate solar collector systems', *Applied Energy*, vol. 293, 116891. https://doi.org/10.1016/j.apenergy.2021.116891

Kaisermayer, V, Muschick, D, Gölles, M & Horn, M 2021, 'Progressive Hedging for Stochastic Energy Management Systems: The Mixed-Integer Linear Case', *Energy Systems*, vol. 12, no. 1, pp. 1-29. https://doi.org/10.1007/s12667-020-00401-z

Selected Activities

Automatic Thermal Model Identification and Distributed Optimisation for Load Shifting in City Quarters
Andreas Georg Christian Moser (Speaker), Valentin Kaisermayer (Contributor), Daniel Muschick (Contributor), Christopher Zemann (Contributor), Markus Gölles (Contributor), Anton Hofer (Contributor), Daniel Brandl (Contributor), Richard Heimrath (Contributor), Thomas Mach (Contributor), Carles Ribas Tugores (Contributor) & Thomas Ramschak (Contributor)
7 Apr 2022

Mechatronics Academy
Markus Tranninger (Speaker), Valentin Kaisermayer (Speaker) & Roland Falkensteiner (Speaker)
14 Feb 2022 → 18 Feb 2022

Betrieb verbundener Nahwärmenetze mit getrennten Eigentümern

Christopher Zemann (Speaker), Daniel Muschick (Contributor), Valentin Kaisermayer (Contributor) & Markus Gölles (Contributor)

14 Oct 2021