Dipl.-Ing. Poms Uwe Rainer, Bsc.

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◎ Geb.: 28.07.1989

BERUFSERFAHRUNG

- 10/2018-dato   BEST – Bioenergy and Sustainable Technologies GmbH
  Junior Researcher
  - **Activities:**
    - o Modelling of heating systems and their components
    - o Development, programming and support of test stands

- 02/2012-10/2018   **Graz University of Technology** Institut für Betriebsfestigkeit und Schienenfahrzeugtechnik
  Project Member
  - **Activities:**
    - o Development of controls for the fatigue testing of mechanical components
    - o Support of data acquisition-, measurement- and control- systems of test stands

AUSBILDUNG

- 08/2015-11/2019 Graz University of Technology
  Master's degree in electrical engineering
  Focus: Automation technology and mechatronics

- 09/2009-/08/2015   Graz University of Technology
  Bachelor's degree in electrical engineering,
  Focus: Automation technology and mechatronics

- 2008   HTL Wolfsberg, Focus on mechanical engineering/automation technology
  Matura

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Further Training

- 02/2012-10/2018   LabVIEW Course (Core 1-3, LabVIEW RT)
- 06/2016   Basics of strain gauge installation and strain gauge measurement,
  HBMAcademy
- 09/2019   B&R Vizualisation with mapp View [SEM611.3] , B&R Academy

SKILLS

- LabView Realtime ancd FPGA
- MATLAB
- B&R Automation Studio

Publications

- Unterberger, V., Muschick, D., Loidl, A., Poms, U. R., Gölles, M., Horn, M.: Model-based control of hydraulic heat distribution systems — Theory and application, Control Engineering Practice 101, 104464
- Li, L., Poms, U.R., Thurner, T.: Accurate Position Control of a Servo-Hydraulic Test Cylinder by Iterative Learning Control Technique, Proceedings of the UKSim-AMSS Eighth European Modelling Symposium S. 297-302