



Labor für mechatronische und regenerative Energiesysteme (LMRES)
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Student Assistant

Software-Framework of Digital Twins

The LMRES team is looking for a student research assistant for the project *Ganzheitliche Zwillinge für die elektrischen Subsysteme und die Netzanbindung* (HM-GZESN), which is a subproject of the joint project *e-TWINS – Ganzheitliche digitale Zwillingstechnologie für das Energiesystem* supported by the federal ministry of Economy and Energy (BMWi). The goal is to implement and configure the software provided by the project partner, with possible adaption, so that the digital twins of our electric subsystems can be integrated into the framework. The work lasts at least four months.

Your work will include

- Installation of the software-frameworks and the integration of the digital twins;
- Definition and programming of the interfaces to project partners;
- Test and validation of the software-framework.

What we expect from you

- Solid knowledge of computer science (and of electrical engineering);
- Ideally with background of *Internet of Things* (IoT), for example *Eclipse Ditto*.

Interest? Please send your application with CV and transcript to
Zhao Song (zhao.song@hm.edu) and Andre Thommessen (andre.thommessen@hm.edu)