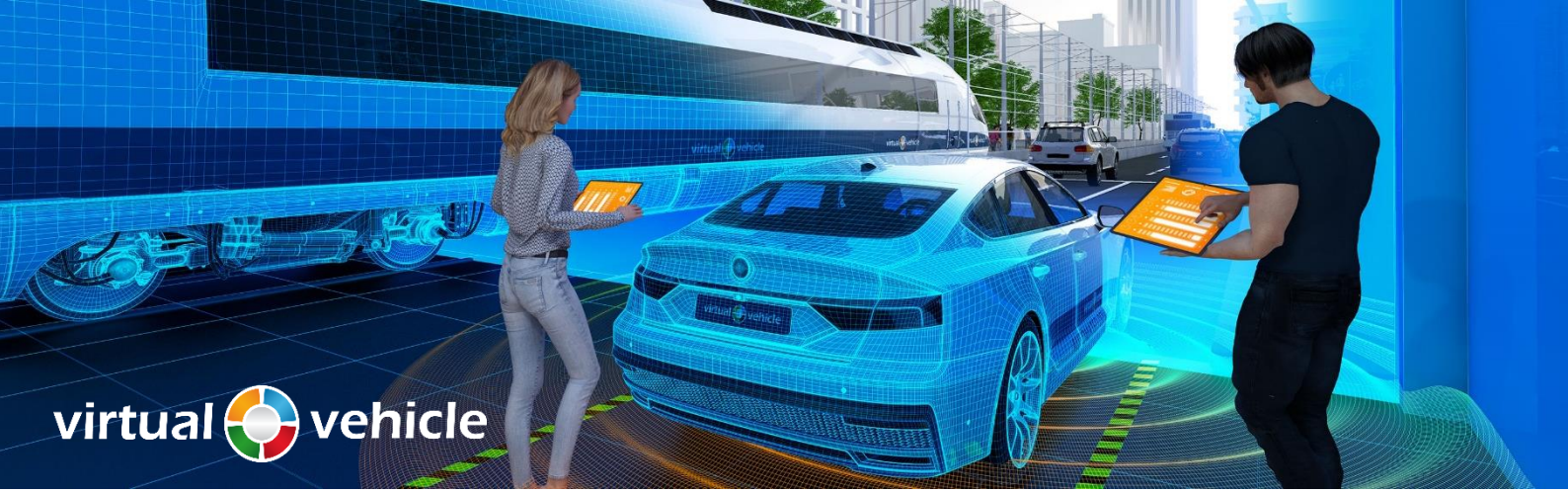

VIRTUAL VEHICLE is a leading international R&D center for the automotive and rail industries. The center focuses on advanced virtualization of vehicle development. This linking of numerical simulations and hardware testing leads to a powerful HW-SW system design. About 300 people are now employed at our site in Graz - their expertise enables the efficient development of affordable, safe and environmentally friendly vehicles.

Masterarbeit

„State Estimation for Batteries using Machine-Learning on Embedded Device“

Ref.Nr. E_141 **Masterarbeit**

Your Tasks

- Familiarize with Lithium-ion battery systems.
- Literature study on Machine-Learning algorithms for state estimation for Lithium-ion batteries.
- Choosing the appropriate ML-algorithms for the given HW.
- Integration and evaluation of the chosen algorithms on existing HW.
- Testing on real cells.

What we expect from you

- Study Information & Computer Engineering, or Electrical Engineering, or Computer Science, or similar.
- Basic knowledge of:
    - ML-architecture for time series problems
    - Python
    - Embedded programing
- Interest to study basics about Lithium-ion batteries for e-mobility.
- Proactive, committed working style.

What we offer

- Collaboration and contribution in an engaged, dynamic team
- Interesting work in an international research center
- **Paid** Thesis
- Mentoring program for new employees’
- Diverse sports and health activities regularly
- Corporate Events

For technical questions please contact:
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+43-(0)316-873-9819

Data Protection Notice:

Virtual Vehicle Research GmbH processes your application to manage your application. For further information please see our Data Protection Notice.
If you consent that your submitted data is also stored in our talent pool for up to 1 year after the last contact with you, please let us know by E-mail. You may withdraw your consent at any time.

APPLY NOW and JOIN OUR TEAM

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