



## Data driven anomaly detection for railway vehicles

Railway vehicles shake because of irregularities in the rails which can be further influenced by issues with the springs or dampeners in the vehicle. This project aims to use the dynamics of in-service railway vehicles to locate issues in either the rails or in the vehicles. The scope can be adjusted based on the interest and time available.

### Requirements:

Prior experience and a strong interest in machine learning, simulation and HPC is recommended. Creativity, experience with programming and elementary physics are advantageous.

**Interested? Please contact us for more details!**

### Contact

- Andreas Plesner: [aplesner@ethz.ch](mailto:aplesner@ethz.ch), ETZ G95

