

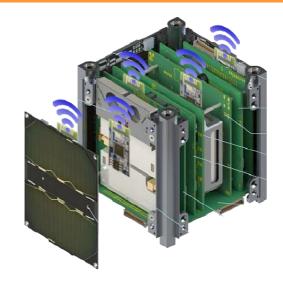
# Wireless Harness Testbed for Modular Satellites (Bachelor/Master Thesis/ Practical)

ZENTRUM

TELEMATIK E.V.

FÜR

Novel modular concepts for satellite architecture compliment a fixed wired satellite bus with a flexible wireless harness, promising a higher flexibility & intra-satellite operability. One major challenge in such an architecture is to handle mutual RF interference and negative influence of satellite structures on communication.



#### Tasks

Julius-Maximilians-

**UNIVERSITÄT WÜRZBURG** 

- Integration of several RF-transceivers into 3-Unit Satellite HW reference model
- Measure influence of subsystem modules on communication, e.g. SNR/RSSI
- **Ma-Thesis**: Further integrate & test RF-transceiver bus with real satellite subsystems

## **Required Previous Knowledge**

C-Language, Embedded SW development

#### Language

German or English

## Contact via Mail or Video Chat

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