We are Austria's largest Research and Technology Organisation and an international player in the research areas that we cover. This makes us a leading development partner for industry and a top employer in the scientific community. Applications are invited for a:

# Master Thesis Accurate Measurement of Linear Time-Variant Frequency-Selective Systems

Description

- Using our state-of-the-art Software defined radio (SDR) lab to perform accurate wireless ware propagation measurements for connected autonomous vehicles
- Extension of a SDR-based channel sounder to measure time-variant frequency selective linear systems (channel emulator) with high accuracy
- Definition and measurement of suitable time-variant wireless communication scenarios
- Extraction and validation of parameters like delay spread and Doppler spread to characterize the propagation environment

Candidate profile

- Master´s degree in electrical engineering, telecommunication engineering, computer science or related field
- Solid knowledge in digital signal processing and the description of linear time-variant and wireless communications systems
- Very good knowledge of either German or English (fluent in spoken and written)
- Matlab and LabView knowledge is an advantage

Your compensation:
EUR 680,55 gross per month for 20 hours/week based on the collective agreement (Forschungs-KV).

Please submit your application documents, including certificates, to

Maria Leonhard-Maurer, MSc, Head of Human Resources
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www.ait.ac.at

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