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 Indoor channel measurements for Bluetooth Low Energy (BLE) beacon-based localization

Description

- Performance in indoor radio channel measurements to improve the accuracy of Bluetooth low energy (BLE) based localization systems
- Literature research on channel sounding
- Building and programming a 2D XY linear positioning system to perform automatic measurements
- Measure indoor scenarios with narrowband and wideband measurement tools
- Analyzation of the measurement results to improve the performance of smartphone based localization systems

Candidate profile

- Outstanding master´s degree in electrical engineering, telecommunication engineering, computer science or related field
- Solid knowledge radio wave propagation, digital signal processing, parameter estimation and measurement systems
- Matlab, Phyton or LabView knowledge is an advantage
- Very good knowledge of either German or English (fluent in spoken and written)
- Ability to integrate in a multinational research team

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
maria.leonhard-maurer@ait.ac.at, +43 (0) 50550-2032
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