

Ph.D. Candidate in the field of sensor networks

Job description:

The Chair for Intelligent Sensor-Actuator-Systems deals with a variety of challenges in systems and state estimation including tracking, stochastic control, distributed estimation, and telepresence. We are currently looking for a Ph.D. candidate in the field of multi-sensor data fusion in the field of industrial application

- for sensor data fusion in networks with limited bandwidth and energy capacity,
- for the development of methods for localization of sensor nodes,
- for indoor localization in industrial applications,
- for sensor and network management and
- for the development of new communication and fusion strategies in wireless networks

This position will be in close collaboration with Trumpf GmbH + Co. KG., one of the world's biggest providers of machine tools and a pioneer in the field of Industry 4.0.

Personal Qualifications:

- Very good degree (master degree or equivalent) in computer science, electrical engineering, mechanical engineering or a similar field
- Very good mathematical knowledge
- Basic knowledge in Stochastics and state estimation
- knowledge in signal processing and sensor networks is a plus
- Self-motivation, ability to work in a team, and willingness for interdisciplinary project work,
- Good knowledge of the German and English language
- Willingness for travel (conferences, research trips etc.)

Payment:

The payment is based on the tariff contracts for the public service salary grade TV-L E13.

Institute:

Institute of Anthropomatik and Robotics (IAR)

Contractual period:

Limited to two years with possible extension for up to four years with the option to pursue a doctoral degree

Starting date:

at the earliest possible date

Application till:

31.12.2018

Contact person in case of questions:

For more information please contact:

- Susanne Radtke, M.Sc.,
E-Mail: Susanne.Radtke@kit.edu

Applications:

Please send your job application in electronic form quoting the reference number **ISAS_SN18** with cover letter, CV and qualified certificates to

Univ.-Prof. Dr.-Ing. habil. Uwe D. Hanebeck
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Institut für Anthropomatik und Robotik (IAR)
Lehrstuhl für Intelligente Sensor-Aktor-Systeme (ISAS)
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D-76131 Karlsruhe
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The KIT values gender equality at work. Therefore, we would especially appreciate applications from female candidates.

Disabled applicants with adequate qualification will be preferentially considered.

Karlsruher Institut für
Technologie
Personalservice

