The Faculty of Electrical Engineering and Information Technology invites applications for an Assistant Professorship - Tenure Track in the field of

Perceptive Embedded Systems

in form of an initially fixed-term (6 years) tenure track position starting from 01.06.2020. The candidate and TU Wien can agree upon a tenure evaluation, which when positive, opens the possibility to change the position to Associate Professor with an unlimited contract. The tenure-track position is affiliated to the Institute of Computer Technology. Duties include research and teaching in the field of embedded systems.

Area:
As embedded devices equipped with sensors and actuators increasingly penetrate all domains of life, they are expected to become more sensible and capable in assessing a given situation and their own performance as a basis of decision making. Given tight resource constraints and demanding requirements on safety, security, dependability and maintainability, designing such systems is exceedingly challenging. Consequently, innovative approaches to the design, architecture and algorithms for resource constrained embedded devices. This position offers the opportunity to actively shape the rapidly growing research field of smart embedded devices in research as well as in teaching.

The successful candidate is expected to initiate independent, innovative research programs and to establish or to continue his/her own research group for the development and application of innovative methods for in-device analysis of sensory data, the run-time model building, goal management and decision processes in hardware and software of resource constrained embedded devices. Research and education is expected to cover design methods, system architecture, performance modeling and evaluation. In addition, this position requires teaching duties for the bachelor’s program electrical engineering and information technology as well as for the master’s program embedded systems.
It is emphasized that currently the teaching in the Bachelor curriculum is in German language requiring appropriate language skills

Qualification Requirements:

• University Master and Doctoral degree or equivalent and proficiency in German and English
• Several years of experience in the area of embedded systems
• Comprehensive competence on all levels of embedded systems, including the design, modeling and evaluation of integrated circuits, Systems on Chip, ASIC, FPGA, and embedded software is required
• A profound knowledge on methods in the areas of autonomic computing, self-aware computing, embedded machine learning, or sensor systems is beneficial.
• Outstanding achievements and potential in research, excellent publication record, international reputation
• Experience in academic teaching (classes and lab courses) and supervising or co-supervising of academic theses
• Experience in designing and participating in research projects, as well as the willingness and ability to lead research groups, willingness to acquire third-party funding
• Scientific activity outside TU Wien, preferentially outside Austria
TU Wien is committed to increase female employment in leading scientific positions. Female candidates are explicitly encouraged to apply. Preference will be given when equally qualified. People with special needs are equally encouraged to apply. In case of any questions, please contact the confidant for disabled persons at the university (contact: gerhard.neustaetter@tuwien.ac.at).

The employment starts as University Assistant with a minimum salary of EUR 3,889,50 gross (14 x per year) according to the collective bargaining agreement for a PostDoc. After signing the qualification agreement, the employment is as Assistant Professor with a minimum salary of EUR 4,599,60 (14 x per year).

Application Documents:
The application must contain besides a Motivation letter and the Curriculum vitae:
- Certificates of doctoral and diploma degrees (copies)
- List of scientific achievements and experience in teaching and training of young scientists
- Acquired third-party fund projects
- Concept for the future plans in research and teaching and contributions to scientific profile of the faculty respectively of the university

We look forward to receiving your application!

Electronic applications should be sent as a single PDF file to Ms. Veronika Korn (veronika.korn@tuwien.ac.at). Application deadline: 6.2.2020.
Further application documents should be sent via USB-Stick to: TU Wien, Institute of Computer Technology, Gusshausstrasse 27-29, 1040 Wien

Applicants have no entitlement to reimbursement of travel and subsistence expenses incurred by the application procedure.