

Postdoc position at the Institute for Communication Technologies and Embedded Systems, RWTH Aachen University

RWTH Aachen University is Germany's top-ranked technical university with more than 40,000 students and is a member of the IDEA league. The Institute for Communication Technologies and Embedded Systems (ICE, <http://www.ice.rwth-aachen.de>), being part of the RWTH Department of Electrical and Computer Engineering, is headed by Prof. R. Leupers and Prof. G. Ascheid. ICE performs research and development in different areas of embedded system design technology, especially covering algorithms, architectures, and tools for communication systems, automotive, and industrial internet. Research funding is provided by national funding entities (DFG, BMBF, BMWi), EU research programs (FP7, H2020), as well as by numerous industry partners. ICE also has a track record of successful spin-off companies in the domains of EDA and ICT.

ICE invites applications for a Postdoc position in the area of

Application Specific Computing Systems and Hardware Architectures

The implementation of the position is a result of the UMIC Excellence Cluster (<http://www.ubic.rwth-aachen.de>). A complementing Postdoc position in the area of Application Software Engineering for Cyber-physical Systems will be offered in parallel at the RWTH Chair Informatik 11 (Embedded Software).

Your tasks:

- Perform independent research projects in the above area, with focus on one or more of the following application domains:
 - Automotive electronics, e.g. for ADAS and autonomous cars
 - Smart mobility and smart cities
 - Production automation technology/Industry 4.0
 - Hardware based IT security
- Interact with our research and industry partners, in particular with the complementing Postdoc group at Informatik 11
- Contribute to ICE's teaching program
- Contribute to ICE's management and administration activities

Our requirements:

- Ph.D. degree in electrical engineering, computer science, computer engineering, or similar with excellent results.
- Strong skills in modern multicore and system-on-chip architectures.
- Leadership capabilities for small project teams (M.Sc. and Ph.D. students)
- Willingness to acquire new R&D projects and to collaborate with other RWTH institutes in the ICT domain
- Excellent communication skills; must be a team player.
- High proficiency in oral and written English. German is beneficial but not required.

Our offer:

- The position is limited to 5 years duration in total. Compensation is based on the German public service salary scale (TV-L 14).
- RWTH Aachen University is certified as a "Family-Friendly University". We particularly welcome and encourage applications from women, disabled persons and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

Your contact person:

For further details, please contact

Prof. Dr. Rainer Leupers

Email: leupers@ice.rwth-aachen.de

Phone: +49 241 80 28301

or visit <http://www.ice.rwth-aachen.de>

Please send your application via Email **by May 31, 2017** to

Prof. Dr. Rainer Leupers

RWTH Aachen University

Institute for Communication Technologies and Embedded Systems (ICE)

Chair for Software for Systems on Silicon (SSS-611910)

Templergraben 55, 52056 Aachen, Germany

Email: leupers@ice.rwth-aachen.de

You may also send your application via Email to bewerbung@ice.rwth-aachen.de. Please note, however, that communication via unencrypted Email poses a threat to confidentiality as it is potentially vulnerable to unauthorized access by third parties.