

Professor Dr.-Ing. Reiner Kriesten

Director Institute of Energy Efficient Mobility (IEEM)
Dean of Automotive Systems Engineering (M.Sc.)
University of Applied Sciences Karlsruhe, Germany



Director Steinbeis Transfer Center Automotive and Embedded
Director Steinbeis Transfer Center Automotive Engineering

Personal Profile

Research areas: Embedded Systems Automotive Security, Automotive System/SW-Engineering

Currently around 12 PhD students and employees and diverse projects in cooperation with industrial and university partners, in particular Embedded Systems, Systems / Software Engineering and Automotive Security

Education: Dean of the Master's degree program "Automotive Systems Engineering", Lectures and Laboratory in Embedded Systems, Software and Systems Engineering, Electrical Engineering, Security and Cryptography

Experience

Full Professor, University of Applied Sciences Karlsruhe, Germany (March 2009 to present)

- Member of Baden-Württemberg Center of Applied Research (BW-CAR)
- Research: Foundation and cooperative lead of the Institute of Energy Efficient Mobility (IEEM) (starting 2012), currently around 20 employees
- Dean of Master degree program "Automotive Engineering for Sustainable Mobility" (2013-2018), Mechatronics (2013-2014) and Automotive Systems Engineering (since 2019)
- Research Semester at the Royal Melbourne Institute of Technology (RMIT), Australia, research field Automotive Security (2016/2017)
- Industrial cooperations, management and implementation of industrial research and development cooperations (2009-present): diverse smaller and large projects in the given research topics

Director Steinbeis Transfer Centers "Automotive and Embedded" and "Automotive Engineering"

- Diverse industrial cooperations in the given research areas
- Industrial Trainings in given research areas (further areas possible)

Senior Software and Systems Engineer, Robert Bosch GmbH, Stuttgart, Germany (since 2003)

- Software and Systems engineer for Automotive Gateways and Body Computers
- Technical project lead for Automotive Gateway projects
- Project Lead for setup of model-based function development in series projects
- Representative in AUTOSAR consortium Wok package 10.1 Body and Comfort
- Safety and Security Consultant in series projects

Academic engineer and PhD Student, Karlsruhe Institute of Technology, Germany (1999 to 2003)

- PhD thesis in the field of route equilibration algorithms for intermodal services
- Coordination of the Automotive Standard OSEK/VDX (embedded automotive operating systems) and integration into ISO standard

Education

PhD degree (Dr.-Ing.), Electrical Engineering and Information Technology, Karlsruhe Institute of Technology

Industrial Mathematics (Dipl.-math. techn.), Karlsruhe Institute of Technology

Maîtrise Mathématiques, Université Joseph Fourier de Grenoble, France

Studies exchange year, St. Petersburg Junior College, Florida, USA

Baccalaureate, Hohenstaufen-Gymnasium Göppingen, Germany

Skills

Training and Courses: Professional training and courses in diverse areas including laboratory

Technical skills: Excellent technical skills in Embedded Systems, Systems and Software Engineering, Testing, Automotive Security and Cryptography, Safety Engineering, Distributed Systems and networks, Electrical Engineering,

Language: German (native), English (fluent), French (fluent)