Prof. Holger Schlingloff

Faculty of Mathematics and Natural Sciences
Department of Computer Science
Software Engineering



Expertise

Our daily life more and more depends on computational systems embedded in common appliances. Just think of advanced driver assistance systems in cars, medical devices, or indsutrial supervisory control and data acquisition systems. Since such systems also realise safety-critical tasks, it is all the more important to provide effective and efficient quality assurance for them. The specification, verification and testing theory group researches methods for model-based development and model checking, logical verification, and automated testing of safety-critical software. Prog. Schlingloff is chief scientist of the system quality center at Fraunhofer FOKUS, Berlin, and chairman of the boards of GFaI e.V. and ZeSys e.V.

Testimonials

- Major German company for communication and sensors: Student semester project for the design and implementation of a system for distributed control of indoor air quality.

Topics / Trends

Cloud Computing
E-Mobility / New Mobility
Vehicle Assistant Systems & Navigation Systems
Freight & Passenger Traffic
Internet of Things
Communication(s) Systems
Logistic Systems & Processes
Human-Technology-Interaction
Peer-to-peer Communication
Robotics & Artificial Intelligence
Software Development

Industries

Information & Communication Technology
Aerospace

Humboldt-Innovation GmbH
Innovation Management

Eleonora Frühwirt
Transfer Manager
+49 30 2093 70769
eleonora.fruehwirt@humboldt-innovation.de

Jan Eggert
Innovation Manager
+49 30 2093 70764
jan.eggert@humboldt-innovation.de

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