



Frank Houdek

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Dr. Frank Houdek graduated in Computer Science at the University of Ulm. In 1995, he joined the Daimler Research Centre in Ulm. He worked in and headed various research and transfer projects on software quality improvement and requirements engineering with Mercedes-Benz passenger car and commercial vehicles development. Since 2004, he heads the requirements management group within Daimler AG R&D.

Since 2013, he is coordinating all specification activities for all electric/electronic specifications of Mercedes-Benz passenger car development.

He is a member of the GI (German Interest Group on Computer Science) and a IEEE CS member; he is speaker of the GI professional group 2.1.6 Requirements Engineering, founding member of IREB e.V. and he was involved in various program and organizing committees of events related to requirements engineering.

Abstract

The good, the bad, and the ugly – Experiences in using a seamless process from specification to test at Mercedes-Benz passenger car development

Development of current E/E systems requires at the OEM side a tight integration of specification and testing activities, especially on system level. However, the integration of the relevant data, like textual specifications, executable models, architectures, pinning and signal information, testing concepts, test cases, and defects, is still sub-optimal. The presentation gives insights in the current state-of-the-practice at Mercedes-Benz passenger car development and identifies hot-spots for improvement.