



Automotive

Mittwoch, 19.10.2022, 17:00–18:30 Uhr, als Zoom-Webinar, später Video, Eintritt frei

Automotive: Its Electronic Part Changes Dramatically

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The automotive world – hardware and software – is in the biggest transformation since its inception. Computer on wheels start dominating the mechanical aspects of the car.

Car electronics, hardware and software, change the way OEMs are working with their supply chain. The classical V-Model is challenged by OEMs establishing direct partnerships with large semiconductor suppliers and manufacturers. Some of them are planning on developing differentiated silicon chips on their own.

The talk provides insight into what is driving these changes and what the consequences will be; namely OEMs will become electronic hardware and software companies. An important enabler for the transformation is the virtual vehicle. We will show how virtualization of vehicle electronics will not only enable car manufacturers to develop such systems but also to verify billion lines of software.

In Kooperation mit der Fachgruppe Informatik und der Fakultät für Elektrotechnik und Informationstechnik der RWTH, der Regionalgruppe der Gesellschaft für Informatik (RIA) und dem Regionalen Industrieclub Informatik Aachen (Regina e.V.).



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