



Christopher White
Executive Vice President Sales

Friedhelm Pickhard
President

Bernd Hergert
Executive Vice President Operations

Dear readers,

We are in the midst of a very exciting phase in the development of automotive electronics. There is a growing trend for intelligent, (semi-)automated mobility connected via the cloud. Efficiency, alternative powertrain systems, connected mobility, and connection to the Internet of Things – these are all topics that play a key role. However, without convincing security solutions and comprehensive security concepts, autonomous driving is not possible.

In times of progressive digitalization, it is vital to pay particular attention to system security. It is increasingly apparent that connected vehicle systems need protection against unauthorized access to data and functions. Cyber security has become an essential component that has to be continuously revised and adapted over its entire life cycle. Connected vehicles require learning vehicle defense systems that are able to respond directly to new attack scenarios. In the automotive sector, we are already a strong provider of expert security solutions with our subsidiary ESCRYPT – our goal for the future is to build up our portfolio of integrated cyber security solutions for the growing security requirements in IoT environments.

In this issue of RealTimes, we want to show you how ETAS and ESCRYPT, with all our passion for technology and electronics, are tackling – and mastering – current challenges. In articles about new ETAS solutions, we describe the impressive range of application possibilities in our portfolio. You can read about our software solution INCA-RDE, which enables users to carry out Real Driving Emissions test drives in a controlled, reproducible manner. Another article looks at our new SCODE product family for model-based function development. Meanwhile, the success stories of our customers demonstrate the practical benefits. We also tell you about our close cooperation with research institutes – a cornerstone of our strategy to maintain our know-how at a high level and continuously adapt and optimize our solutions to the requirements of new technology.

We hope you enjoy the insights contained in this issue. Thank you very much for your support and interest in our work. We are looking forward to sharing an exciting future with you as we develop forward-looking solutions together!

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