



More Than Automotive Security

Dear Reader,

“The subject of Embedded IT security is so multifaceted that no one enterprise can expect to master all of its aspects,” says Christoph Paar, Holder of the Chair for Embedded Security at Ruhr University in Bochum and Visiting Professor of Electrical and Computer Engineering at the University of Massachusetts Amherst, USA.

“Security has become a major economic factor,” says Arne Schönbohm, President of the German Federal Office for Information Security (BSI) in the context of the Embedded World Exhibition in Nuremberg, Germany. The number of cyber-attacks against corporations has increased dramatically: “We register more than one attack carried out by foreign intelligence services against government networks every week. And every month, we capture around 44,000 malicious emails – four times as many as in 2015.” Tyson Tuttle, CEO of Silicon Labs, expects the number of IoT nodes to reach the 50 billion mark by 2020. “The economic impact is measured in terms of many billions of dollars.”

At least two other factors beyond the development hardware and software-based security solutions can also be expected to have an impact on national economies. First, many companies have begun to emphasise the urgency and pervasiveness of security issues. Friedhelm Pickhard, CEO of ETAS, proposes the appointment of security specialists to corporate supervisory boards as an appropriate response. The second factor centers on the recruitment and selection of security partners. Serious consideration is currently being given to the nature and the milieu of the top secu-

rity providers around the world: Israeli companies on first place and Canadian companies on second place, before those of Silicon Valley in the USA. But which companies and cultures are really the most trustworthy? What makes for the right matchup? These, too, are security-relevant questions.

Security issues have rightly dampened some of the hype surrounding autonomous driving, even if hype is not always a bad thing. This is because socially relevant issues that are initially discussed only among experts ultimately tend to gain a wider audience. This underscores the importance of ensuring a sound and balanced dialogue on the issues in question. Aware of its responsibility, our publishing house conducts interviews with various experts in the interest of providing a platform for viable, interdisciplinary solutions. ATZ and ATZechnik are committed to focusing on the big picture.



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