



## **KASTEL Mobility Lab VIP Lecture Series: Dr. Sebastian Labitzke**

### **Unveiling the Road Ahead – Quests and Quirks in Pursuit of Unanswered Security (Research) Questions**

#### **Abstract:**

As road users, our foremost desire is to ensure that each journey on the road is characterized by trust, reliability, and safety within an ever-evolving interconnected automotive environment. In this presentation, we embark on an exploration of the domain of automotive cybersecurity. Our journey delves into the nuanced intricacies of threat analyses and risk assessments, particularly focusing on software-only products reliant on external hardware mechanisms. Additionally, we shed light on the inherent complexities of securing vehicles as distributed systems, unraveling the intricate challenges posed by a vast number of interconnected components. Furthermore, we examine the realm of in-car intrusion detection systems, spotlighting the scarcity of empirical data, particularly in comparison to backend systems. As we navigate through these pivotal discussions, we challenge conventional wisdom with a bold hypothesis: that cybersecurity standardization may paradoxically diminish security levels in some parts of the automotive industry today and maybe in all industries producing any kind of digital products in the future.

#### **Speaker:**

Dr. Sebastian Labitzke is a seasoned professional with over 15 years of experience in IT, Information, and Cyber Security. His career spans a decade of cultivating and leading teams of distinguished cybersecurity experts, focusing on the automotive, other vehicle, and Internet of Things (IoT) industries. In addition to his roles as Chief Information Security Officer (CISO), Product Security Officer, Head of Engineering, and more, Dr. Labitzke has been a prominent representative for companies in committees, delivering keynotes, and online content. Motivated by a passion for creating platforms that empower security engineers to thrive, he consistently demonstrates his expertise in developing robust cybersecurity strategies and fostering a culture of excellence within his teams. Dr. Labitzke's skill set encompasses threat analyses and risk assessments, mitigation strategies, and the innovative development of security solutions. His distinguished academic background, including an awarded Ph.D. in identity and access management, as well as privacy preserving technologies, along with his proven track record and leadership acumen, have established him as a sought-after leader in the dynamic and ever-evolving realm of cybersecurity.

**When:** April 25, 2024 – 16:30 p.m.

**Where:** KIT, CS, Bld. 50.34/R -102