CONFERENCE PROGRAM

Wednesday, November 15th 2023

Social Program:
Hamburg harbour cruise

09:00 – 12:00

| 09:00 – 12:00 | **Workshop Sessions** |

What's all the fuzzing about? Introduction to tool-based automotive fuzz testing
Marcos Cardoso, Thomas Irmscher

Automotive Security Fundamentals
Reiner Kriesten

Official begin of the
21st escar Europe conference

12:00 – 12:45	Lunch
12:45 – 13:00	**Chairman's welcome and opening address**
13:00 – 13:45	**KEYNOTE**
	Formosa Crypto – high-assurance crypto software in practice Peter Schwabe

Please use the following link to download all papers:
https://www.escar.info/downloads.html

Session I –
System Security

13:45 – 14:15	**Post-Quantum Secure Over-the-Air Update of Automotive Systems** Joost Renes
14:15 – 14:45	**Fuzzy Fault Injection Attacks Against Secure Automotive Bootloaders** Enrico Pozzobon
14:45 – 15:15	**CAN Fuzzing: Enhancing Communication Robustness in modern connected vehicles including forthcoming autonomous vehicle** Arisetty Venkatesh
15:15 – 15:45	Coffee Break

Session II –
System Security and
Secure Development

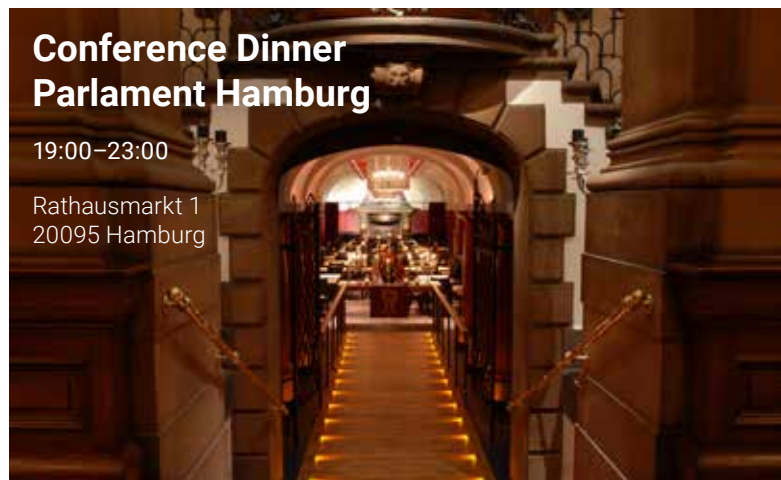| 15:45 – 16:15 | **INVITED TALK** |
	Electrifying Cyber Security for Electric Vehicles Christoph Krauß
16:15 – 16:45	**Top 10 Security Issues in Modern Vehicles** Danila Parnishchev
16:45 – 17:15	**In-Vehicle Trust Assessment Framework** Nataša Trkulja
17:15 – 17:45	**Renault ship brand-new cars with Rust: the story of transitioning a major OEM towards more safety and cybersecurity resilience** Frédéric Ameye

Conference Dinner
Parlament Hamburg

19:00 – 23:00

Rathausmarkt 1
20095 Hamburg

Thursday, November 16th 2023

09:00 – 09:45 **KEYNOTE**

Maturing Automotive Security Engineering
Jörn Eichler

Session III –
Artificial Intelligence

09:45 – 10:15 **Secure software for protecting neural networks**
Carla Trevino

10:15 – 10:45 **Security Engineering with Generative AI**
Maximilian Beck, Christof Ebert

10:45 – 11:45 Coffee Break &
Visit of exhibition area

Session IV –
Compliance and Security Management

11:45 – 12:15 **Case Study: How a Tier 1 Achieved Automotive Cybersecurity Compliance for its Components with a Comprehensive CSMS**
David Leichner

12:15 – 12:45 **From SOC to VSOC: Transferring Key Requirements for Efficient Vehicle Security Operations**
Jenny Hofbauer

12:45 – 13:15 **Managing dependencies in automotive cybersecurity through assumptions, cybersecurity claims and modular cybersecurity cases**
Jonas Borg, Alexander Åström

13:15 – 14:15 Lunch

Session V –
Risk Analysis

14:15 – 14:45 **Cybersecurity Risk Analysis of an Automated Driving System**
Patrick Wagner

14:45 – 15:15 **Improving the Identification of Damage and Threat Scenarios in ISO/SAE 21434 Threat Analysis and Risk Assessment**
Alastair Ruddle

15:15 – 15:45 **Towards an ISO/SAE 21434 Vehicle Cybersecurity Case**
Lokesh Devaraj

15:45 – 16:00 Outlook and closing remarks
by the Chairman