

# CONFERENCE PROGRAM

## Monday, November 18<sup>th</sup> 2024

### 15:00–18:00 Workshop Sessions

**Workshop 1: New Security Threats in the Age of Machine Learning**  
Stephan Kleber

**Workshop 2: Efficient Vulnerability Management in the Automotive Industry**  
Thomas Haslbauer, Márton Illés, Wolfram Gottschlich

**Workshop 3: Introduction to Software and Hardware Reverse Engineering**  
Tim Blazytko, Marc Fyrbiak, Christof Paar

### 18:30–21:00 Get Together (Kongresszentrum Dortmund)



German  
Football  
Museum



Conference Dinner  
Brauturm – Dortmunder U

## Tuesday, November 19<sup>th</sup> 2024

### Official begin of the 22<sup>nd</sup> escar Europe conference

09:30–09:45 **Chairman's welcome  
and opening address**

09:45–10:30 **KEYNOTE**  
**Bigger vehicle, bigger challenge?!**  
Craig Beyer

### Session I

10:30–11:00 **The Quest for the State-of-the-Art in Product Cybersecurity**  
Michael Schneider, Aidmar Wainakh

11:00–11:30 **Practical Approaches for Assurance using Cybersecurity Assurance Levels and Cybersecurity Assessment**  
Paul Wooderson

11:30–12:00 **Chained Fleet Attacks**  
Karl Heinz Schlauch

12:00–13:00 Lunch

### Session II – Security Architecture

13:00–13:30 **Software-Defined Vehicle Security Challenges**  
Redouane Soum

13:30–14:00 **Remote Attestation for Autonomous Vehicle Fleets**  
Kristijan Lazeski

14:00–14:30 **Automotive Cross Domain Security**  
Tobias Klein

14:30–15:00 Coffee Break

15:00–15:45 **KEYNOTE**  
**AI Strategies for Detecting Malware Communication**  
Tanja Zseby

Please use the following link to download all papers:

<https://escar.info/downloads>

### Session III – Artificial Intelligence and Automation

- 15:45–16:15**    **Retrieval Augmented Generation to Support Cybersecurity Verification in Automotive Engineering**  
Aurora Gensale, Luca Ferrua
- 16:15–16:45**    **Effective Automotive Vulnerability Management with TARA based prioritization**  
Moritz Minzlaff, Florian Lukavsky

### Social Programm / Dinner

- 17:00–19:00**    **Social Program:**  
German Football Museum
- 19:00–23:00**    **Conference Dinner:**  
Brauturm – Dortmunder U

## Wednesday, November 20<sup>th</sup> 2024

- 09:00–09:45**    **KEYNOTE**  
**Brighter Together – Securing the Future. A semiconductor perspective on automotive security**  
Timo van Roermund

### Session IV – Hardware Security

- 09:45–10:15**    **Is Your Memory Protected? Uncovering Hidden Vulnerabilities in MPU Mechanisms**  
Robbie Galfrin
- 10:15–10:45**    **Next Steps in SoC Security**  
Fabrice Poulard
- 10:45–11:00**    **Studenttrack Elevator Pitch**  
Kristijan Lazeski, Daniel Könnecke, Paul Elser
- 11:00–12:00**    Coffee break & Exhibition Area & Student Poster Session



### Session V – Security Testing and Risk Assessment

- 12:00–12:30**    **Automatically Deriving Test Cases from Safety-Security Dependencies**  
Roman Trentinaglia
- 12:30–13:00**    **Using RESILIENT-CS for Improving Impact Ratings and Wider Efficiency of Cybersecurity Risk Assessment**  
Paul Wooderson
- 13:00–13:30**    **Eclipse openDuT: The new Glue for Automating Cybersecurity Testing in Automotive**  
Thomas Irmscher, Reimar Stier

12:00–13:00    Lunch

### Session VI – Miscellaneous

- 14:30–15:00**    **Demystifying the Tension between Trust and Privacy in CCAM**  
Anna Angelogianni, Nikolaos Fotos
- 15:00–15:30**    **Migration to Quantum Safe Cryptography**  
Efsthia Katsigianni
- 15:30–16:00**    **Enabling efficient Intrusion Detection by standardizing Security Events in AUTOSAR**  
Nicolas Loza
- 16:00–16:15**    Outlook and Closing Remarks by the Organizers

