

EVENT-AT-A-GLANCE

June 12

WEDNESDAY

8:00 a.m. - 5:00 p.m. Registration

8:00 - 9:00 a.m. Networking Breakfast

9:00 - 9:15 a.m.

Welcome

Tom Forest

Invited Speaker

9:15 - 10:00 a.m.

Physics of Sensor Security

Kevin Fu, University of Michigan

CAN Fingerprinting Session

10:00 - 10:30 a.m.

Transmitter Identification for CAN Protocol Using Channel Distortion

Azeem Hafeez, Sai Ponnappalli and Hafiz Malik, University of Michigan

10:30 - 11:00 a.m.

Two-Point Voltage Fingerprinting: Increasing Detectability of ECU Masquerading Attacks

Shabbir Ahmed, Marcio Juliato, Christopher Gutierrez, Li Zhao and Manoj Sastry, Intel

11:00 - 11:30 a.m. Networking Break

Invited Speaker

11:30 a.m. - 12:15 p.m.

Building Secure Devices in Untrusted Factories

Nate McFeters, NCC

12:15 - 1:30 p.m. Networking Lunch

Sponsored by NXP Semiconductors

Invited Speaker

1:30 - 2:15 p.m.

Cyber Security Research in the Electric Vehicle Infrastructure

Ken Rohde, Idaho National Labs

Vulnerabilities I Session

2:15 - 2:45 p.m.

On The CANT Bus, No One Can Hear You Scream

Timothy Brom, GRIMM

2:45 - 3:15 p.m.

The Devil is in The Fragments – The Risks Presented to Automotive Ethernet Networks by Legacy and New Protocols
Matan Atad and Amit Geynis, Argus Cyber Security

3:15 - 3:45 p.m. Networking Break

Testing Session

3:45 - 4:30 p.m.

Improving Fuzz Testing of Infotainment Systems and Telematics Units using Agent Instrumentation

Dennis Kengo Oka and Rikke Kuipers, Synopsys

Invited Speaker

4:30 - 5:00 p.m.

Incident Response - Preserving Attorney-Client Privilege

Alex Muentz, Leviathan Security

5:00 - 6:00 p.m. Networking Reception

6:30 Event Dinner - Pre-registration required

EVENT-AT-A-GLANCE

June 13

THURSDAY

8:00 a.m. - 3:00 p.m. Registration

8:00 - 9:00 a.m. Networking Breakfast

Invited Speaker

9:00 - 9:45 a.m.
Strategies for Avoiding and Defending Against Cybersecurity-Related Product Liability (IoT) litigation

IJay Palanski, Armstrong Teasdale LLP

Vulnerabilities II Session

9:45 - 10:15 a.m.
Attacking AUTOSAR using Software and Hardware Attacks

Niek Timmers, Riscure *and* Pascal Nasahl, TU Graz

Crypto Session

10:15 - 10:45 a.m.
Henrique Ogawa, Helmiton Cunha and Harsh Kupwade Patil (LG). Optimizing Group Key-agreement in Automotive In-Vehicle Networks

Harsh Kupwade Patil, LG, Marcos Vinicius M. Silva, Marcos A. Simplicio Jr., Eduardo Lopes Cominetti, Jefferson E. Ricardini, University of São Paulo; Henrique Ogawa, Helmiton Cunha, LG

10:45 - 11:15 a.m. Networking Break

Invited Speaker

11:15 a.m. - 12:00 p.m.
Update on NIST Cryptography Program

Lily Chen, NIST

12:00 - 1:15 p.m. Networking Lunch

Invited Speaker

1:15 - 2:00 p.m.

An Overview of the DHS Science and Technology Directorate's Cyber-Physical Security Program

Christos Papadopoulos, DHS

Defense Session

2:00 - 2:30 p.m.
Reducing Risk Potential by Evaluating Specialized Countermeasures for Electronic Control Units

Sergei Bauer, KAI GmbH; *and* Peter Schartner, Klagenfurt University

2:30 - 3:00 p.m.
Vehicle Safe-Mode: An After-Market Proof-Of-Concept

Tsvika Dagan, Avishai Wool, Tel-Aviv University *and* Yuval Montvelisky, Hamachvan Speedometer LTD

3:00 - 3:30 p.m.
Controller Area Network Security Data Diode

Jeremy Daily, University of Tulsa

3:30 - 3:45 p.m.
Closing Remarks

EXHIBIT HOURS

Tuesday 9:00 a.m. - 6:00 p.m.

Wednesday 9:00 a.m. - 1:00 p.m.

REGISTRATION HOURS

Tuesday 3:00 - 6:00 p.m.

Wednesday 8:00 a.m. - 5:00 p.m.

Thursday 8:00 a.m. - 3:00 p.m.

*** Names in Italic are recognized additional authors on submission*