escar
Embedded Security in Cars

May 20,2025

TIME	ACTIVITY
6:00 - 8:00 PM	escar USA 2025 Welcome Reception (The Garden Pavilion at Saint John's Resort)

May 21,2025

TIME	ACTIVITY/PRESENTATiON	SPEAKER
8:00 - 9:00 AM	Breakfast (Exhibit Area)	
9:00 - 9:10 AM	Welcome and Introduction	
9:10 - 9:55 AM	Everything is Connected: Two Decades of Hacking and Defending the Transportation Infrastructure	Tiffany Rad
9:55 - 10:25 AM	Breaking the Circuit: Attacking EVs, Charging Stations and Management Systems	Shaked Delarea
10:25 - 10:40 AM	Status of the "Cyber'X' Challenges"	Karl Heimer
	Networking Break (Exhibit Area)	
11:05 - 11:35 AM	Leveraging Large Language Models and Static Code Analysis to Automate Fuzz Testing	Dr. Markus Zoppelt
11:35 AM - 12:20 PM	Back to Security Basics, with Privacy	Andrea Amico
12:20 - 12:35 PM	Roadmap and Status of Joint ISO-SAE Development of Automotive Cybersecurity Publications and Standards	John Krzeszewski
	Lunch Break (The Atrium at Saint John's Resort)	
1:50 - 2:20 PM	Collaborative Risk-Sharing Framework for Automotive Cybersecurity	Atefeh Asayesh
2:20 - 2:50 PM	ISO/SAE 21434-based Automotive Risks Assessment Revisited	Amira Barki
2:50 - 3:35 PM	Security Analysis of Ranging Protocols: UWB and Bluetooth Channel Sounding	Sultan Qasim Khan
	Networking Break (Exhibit Area)	
4:00 - 4:45 PM	Tactical TARA: Is It Safety-critical or Checkbox Compliance?	Urban Jonson
4:45 - 4:50 PM	Closing Remarks	
5:00 - 7:00 PM	Evening Reception (The Atrium at Saint John's Resort)	

May 22, 2025

TIME	ACTIVITY/PRESENTATiON	SPEAKER
7:30 - 8:30 AM	Breakfast (Exhibit Area)	
8:30 - 8:35 AM	Welcome	
8:35 - 9:20 AM	Drone Security and Fault Injection Attacks	John Sheehy
9:20 - 9:50 AM	SysCall Randomization: A Linux Exploit Mitigation Implemented with Binary Patching	Ryan O'Neill
9:50 - 10:05 AM	Decade of Driving Progress: Insights and Innovations in Automotive Cybersecurity Research	Victor Murray
	Networking Break (Exhibit Area)	
10:30 - 11:00 AM	SBOMs in the Automotive Industry: Real-world Insights and Recommendations	Cortez Frazier Jr.
11:00 - 11:45 AM	Pwn2Own Automotive: Vulnerabilities, Exploits, and Lessons Learned	Brian Gorenc
11:45 AM - 12:30 PM	A Case Study: Securing Communication Using J1939-91C Certificate-based Authentication in Autonomous Commercial Vehicles	Joe Lotz
	Lunch Break (The Atrium at Saint John's Resort)	
1:30 - 2:00 PM	Fast and Compromised: Automotive Security on a Timer	Omer Ziv
2:00 - 2:45 PM	On the Care and Feeding of Cyber Ninjas, 2025	Matt Carpenter
	Networking Break (Exhibit Area)	
3:10 - 3:40 PM	Using EMB3D to Establish Resilient Threat Models for Embedded Devices	Wyatt Ford, Niyo Little Thunder Pearson
3:40 - 3:45 PM	Closing Remarks	