

82nd IFIP WG 10.4 Meeting – Agenda

June 23-26, 2022 – Old Town Alexandria, VA, USA

Thursday, June 23	
19:00	Welcome Reception
Friday, June 24	
08:00-08:25	Welcome to IFIP IVDS 2022 Workshop <i>Marco Vieira, University of Coimbra</i> <i>Chris Walter, WW Technology Group</i>
08:25-08:50	Workshop Introduction and Objectives <i>Jay Lala, Raytheon Technologies</i> (detailed program at: https://www.dependability.org/wg10.4/ivds/ivds2022/program.html)
08:50-09:00	Workshop Program and Rules of Engagement <i>Chuck Weinstock, Software Engineering Institute</i>
Session 1	
<i>Session Chair: Paulo Verissimo, Rapporteur: John Meyer</i>	
09:00-09:45	Automotive Cyber-Security – from standards to regulations <i>Christoph Schmittner, Austrian Inst of Tech (ATI)</i>
09:45-10:30	Cyber-Attacks against AI Stack in Autonomous Driving and Intelligent Transportation <i>Alfred Chen, UC Irvine</i>
10:30-11:00	Discussion
11:00-11:30	Break
Session 2: Panel: Cyber Attacks on Safety-Critical AV Functions: Technology & Policy	
<i>Session Chair: T. Basil Smith, Rapporteur: Wilfried Steiner</i>	
11:30-11:40	Panel Introduction
11:40-11:50	Cybersecurity for Connected and Autonomous Vehicles <i>Kristie Pfosi, Director, Cybersecurity, Aptiv</i>
11:50-12:00	Managing Legal Consequences from Cyber Attacks on Safety-Critical Functions of Intelligent Vehicles <i>William Widen, Professor of Law, Univ of Miami School of Law</i>
12:00-12:20	Cross-Collaborating to Secure Autonomous Ground Vehicles and Other Emerging Technologies Against the Threats of Tomorrow <i>Benjamin Gilbert, Cybersecurity Advisor (CSA) in US Department of Homeland Security.</i>
12:20-12:45	Panel Discussion
12:45-15:30	Lunch/Break
15:30-16:00	Coffee
Session 3	
<i>Session Chair: Lisa Spainhower, Rapporteur: Carl Landwehr</i>	
16:00-16:45	Security for Software-defined Vehicle <i>Robert Kaster, Bosch</i>
16:45-17:30	CyberShield – An Approach to Defeat Malware in Edge Computers using Hardware Diversity <i>Brock LaMeres, Montana State Univ</i>
17:30-18:00	Discussion
18:00	Adjourn for the day

Saturday, June 25**Session 4***Session Chair: Andrea Ceccarelli, Rapporteur: Homa Alemzadeh*

08:00-08:45	How to defend connected intelligent vehicles: Transferring established Information Security best practices to the vehicular world <i>Miriam Gruber and Jan Lange, Volkswagen</i>
08:45-09:30	Detection is not enough: Low-cost Attack Recovery for Autonomous Robotic Vehicles <i>Karthik Pattabiraman, Univ of British Columbia</i>
09:30-09:45	(Short) Break
09:45-10:30	Design and Assessment of Safe Autonomous Vehicles <i>Saurabh Jha, IBM Research</i>
10:30-11:00	Discussion
11:00-11:15	(Short) Break
Workshop Wrap-up <i>Workshop Chair & Rapporteurs</i>	
11:15-12:15	Session Outbriefs by Rapporteurs and Discussion
12:15-12:30	Concluding Remarks <i>Jay Lala, Raytheon Technologies</i>
12:30	Lunch
Excursion and Banquet	
13:45	Depart from hotel to the Udvar-Hazy Center for Air and Space
17:30	Museum closes, board bus and return to hotel
19:30	Depart to Alexandria Chart House
20:00	Seated for dinner
21:45	Return to the hotel

Sunday, June 26

08:30-10:00	Business Meeting
10:00-10:30	Break
10:30-12:30	Research Reports (on-site registration)
12:30	Lunch / Meetings Ends