

18th GENIVI AMM Presentations

3/17/2018

Session	Title	Presentations
12:00 - 12:45	GENIVI Alliance for Beginners	pdf
13:00 - 13:45	GENIVI President's Welcome Keynote	ppt (member-only)
13:45 - 14:30	Domain Interaction Strategy - Implications for GENIVI Tech and Marketing Work	pdf
14:45 - 15:45	GENIVI Technical Status Overview	pdf
18:00 - 20:00	GENIVI Welcome Reception	

4/18/2018

pdf

Session	Title	Presentations
09:00 - 09:15	Opening Keynote	pdf
09:15 - 10:00	Industry Keynote - Bosch Multi Domain Strategy for IVI-systems Based on GENIVI	pdf
10:15 - 11:00	Wayland Support in Open Source Browsers	pdf
10:15 - 11:00	Keynote - Siemens	pdf
10:15 - 11:45	Domain Interaction - Generic Communication Protocols	Discussion slides and project kickoff review
11:00 - 11:45	The First Miles Toward Software-Fueled Cars – Driving Lessons from OEMs, Tiers and Large IT Companies	pdf
11:00 - 11:45	A Neutral and Secure Approach for Accessing In-vehicle Data for 3rd Party Services	pdf
11:45 - 12:30	Domain Interaction: Graphics Sharing & Distributed HMI Compositing – Project Status	Agenda/intro Harman presentation & demo
11:45 - 12:30	The Future of Broadcast Radio and Television in a Passenger Economy	Interview - No slides
11:45 - 12:30	Automotive Security: An Overview of an Industry-wide Change in Engineering and Operations	
12:30 - 14:00	Networking Lunch	
14:00 - 15:00	Domain Interaction - System Health, Debugging & Analysis	pdf
14:00 - 15:00	Building a GENIVI Head Unit In-House at BMW - An Experience Report	pdf
14:00 - 15:00	Interesting Research: Rethinking Car Software and Electronics Architecture	pdf
15:00 - 15:45	Vehicle Connectivity and the Connected Ecosystem - a Cybersecurity Panel	Panel - No Slides
15:00 - 15:45	Vehicle Data for Semantic Web and Ontology	pdf

15:00 - 15:45	Domain Interaction - From Separated ECUs to a Display Cluster	pdf
15:45 - 16:45	Domain Interaction - Joynr: A Fault-Tolerant and Type-Safe Communications-Middleware Framework	pdf
16:00 - 16:45	Domain Interaction - Wayland-IVI-extension / Waltham Usage in Shared Graphics Environment	pdf
16:00 - 16:45	Building the Connected Cockpit for Next Gen Automobiles	
17:30 - 20:00	GENIVI Showcase & Reception	

4/19/2018

Session	Title	Presentations
09:00 - 09:45	CDL Project Status Update	pdf
09:00 - 09:45	Automotive Industry Guidelines for Secure Over-the-Air Updates	pdf
09:00 - 10:30	Hypervisor API Workshop	Complete topic list and presentation schedule
<i>These presentations were done throughout the full-day HV workshop...</i>	History of Hypervisors	pdf
^^	Xen overview	pdf
^^	Hypervisor Market Overview	pdf
^^	Introductions on the following topics: - Virtualization for Multi-core, SoC peripheral hardware and special-purpose CPUs - Audio system design with HVs - Graphics/GPU Sharing	pdf
^^	Requirements Gathering Introduction	pdf
^^	Hypervisor Design and Implementation	pdf
^^	Virtio	pdf
^^	Security enhancement on Xen ARM	pdf
09:45 - 10:30	Evolving Attack Surface of the Modern Vehicle	
09:45 - 10:30	MultiNode DLT - Collect Data from Multiple Car Software Domains	pdf
11:00 - 11:45	Franca for the Web	online presentation
11:00 - 11:45	Security 101	pdf
11:00 - 12:30	Hypervisor API Workshop	<i>See the 09.00-10.30 session for presentation links</i>
11:45 - 12:30	Testing the Navigation Interfaces in a Shared and Connected Architecture	pdf
11:45 - 12:30	Exploiting Buffer Overflows and Other In-Memory Exploits	pdf
11:00 - 11:45	Using GENIVI Persistency Component in Production Programs	GENIVI_KPIT_PERSISTENCY_IN_PRODUCTION_V_April_19.pdf
11:45 - 12:30	Franca+ Introducing Components	pptx
12:30 - 14:00	Networking Lunch	
14:00 - 14:45	Threat Modeling with Attack Trees	pdf

14:00 - 15:30	Hypervisor API Workshop	<i>See the 09.00-10.30 session for presentation links</i>
14:45 - 15:30	Is My car Secure?	pdf