

Technical Summit (Virtual) May 2020

Tuesday, 12 May 2020

Time	Title	Video Links	Slides
1500-1530 CEST	Welcome Keynote	http://youtube.com/watch?v=Mj52nm8Bhm4	pptx pdf
1535-1650 CEST	Introduction to Active GENIVI Projects		Android Automotive SIG pptx pdf Cloud/Connected Services pptx pdf Hypervisor pdf Security pptx pdf video In-Vehicle Payments pptx pdf
1650-1700 CEST	Break (Sponsor Videos)		See Virtual Showcase Videos below
1700-1800 CEST	Looking forward #1: Common Vehicle Interface Initiative		pdf
1810-1900 CEST	Looking forward #2: Cockpit Domain Fusion		pdf

Wednesday, 13 May 2020

Time	Title	Video Links / Minutes	Slides
1100-1200 CEST	Connected Vehicle Software Development - Automated Testing, a Collaborative Approach for the Industry		pptx pdf
1500-1800 CEST	Android Automotive SIG #1 - Vehicle Data APIs / Vehicle Hardware Abstraction Layer (HAL)	minutes	pptx pdf
1800-1815 CEST	Break (Sponsor Videos)	See Virtual Showcase Videos below	
1815-1930 CEST	Cybersecurity #1- ISO-21434 in practice	Stream Video	pptx pdf

Thursday, 14 May 2020

Time	Title	Video Links / Minutes	Slides
0900-1200 CEST	Android Automotive SIG #2 - Audio Hardware Abstraction Layer (HAL)	minutes	pptx pdf
1045-1200 CEST	Cybersecurity #1- ISO-21434 in practice (replay w/ live Q&A)	Stream Video	pptx pdf
1500-1800 CEST	Cloud & Connected Services	Automotive World Webinar recording minutes	overview pptx pdf simulators pdf GraphQL Client pdf pptx technology options pptx pdf

Virtual Showcase Videos On-Demand (click on the video titles below to view)

Member Logo	Title and Abstract	Contact Information
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	Cockpit Domain Consolidation - Combination of Cluster and Infotainment on high compute ECU systems Abstract: Mentor, A Siemens Business is shaping the future of automotive in hardware, software, and systems engineering. The Automotive Business Unit (ABU) at Mentor, an international division with the main location in Germany offers solutions in multi-domain consolidations, autonomous driving, and automotive audio. The accumulated experience of more than 20 years in automotive hardware, software, and systems engineering enable the ABU team to focus well prepared on the upcoming changes and challenges of the automotive industry. One of the main topics the automotive industry is looking at is the transformation in the car E/E architectures. All over the markets are visible trends towards a centralization of the ECU systems, focusing on service-oriented architecture (SOA). As a step towards this architecture system, the Automotive Business Unit offers a Cockpit Domain Consolidation solution that combines Infotainment and Cluster on high computing systems in the car.	Michael Ziganek <i>General Manager, Automotive Business Unit</i> michael_ziganek@mentor.com
	Safe Multi-Display Cockpit Controller Abstract: OpenSynergy shows a use case realized on the latest version of the virtualization platform COQOS Hypervisor SDK. The hypervisor-based cockpit controller combines mixed criticality functions (safety and non-safety relevant) within a single Renesas R-Car H3 Salvator-XS development platform. It integrates entertainment, infotainment applications, and driver information systems providing safety-critical information from vehicle systems. The type-1 hypervisor has been designed as a low-complexity embedded hypervisor especially fitting to automotive applications. It is TÜV-certified to ISO 26262:2018 ASIL-B. COQOS Hypervisor SDK supports a large bundle of VIRTIO features. VIRTIO was originally developed for enterprise virtualization workloads and cloud computing that make high demands on data processing performance. In cooperation with GENIVI OpenSynergy drives the acceptance of VIRTIO as a standard to be used in the automotive industry.	Tero Salminen tero.salminen@opensynergy.com Marcel Haack marcel.haack@opensynergy.com Website: https://www.opensynergy.com/
	Rapid - Fleet Management Framework Abstract: The fleet framework for perfectionists with deadlines. Acquire data from your edge systems, securely transfer it to your cloud, and generate insights that matter to you. The Rapid fleet management framework makes it easier to build better fleet and asset apps more quickly with less code.	Email: hello@esg-usa.com Website: http://esg-usa.com/rapid-framework Phone Number: (248) 246-2220
	ISO 21434 Risk Assessments with YAKINDU Security Analyst Abstract: We show how to practically perform an ISO-21434-compliant security analysis that can be updated and incrementally re-performed throughout the product lifecycle. At itemis, we built that into a product, called YAKINDU Security Analyst.	Bastian Kruck bkruck@itemis.com Overall email: security-analyst@itemis.de
	Beyond Linux IVI and Into the Connected Cockpit It's not new news that GENIVI has expanded its scope but if you want a quick refresher or explanation of the GENIVI mission then check out our new video. Beyond Linux IVI and Into the Connected Cockpit.	Steve Crumb <i>GENIVI Executive Director</i> scrumb@genivi.org

	VelocityFS by Tuxera (<i>flash friendly</i>) VelocityFS by Tuxera is a cutting-edge embedded file system designed to work with all the benefits and challenges of flash memory technology. It brings the ultimate performance, reliability, security, and longest lifetime to any flash hardware. That means super-responsive devices and systems, more available CPU for more apps, the highest quality videos with no frame loss, and less device replacement costs. VelocityFS by Tuxera is the ideal data management software for modern IVIs and infotainment, digital clusters, telematics boxes, V2X boxes, black boxes, and drive recorders running on Linux. Our full file system implementation package comes with a built-to-spec, ready-to-run kernel module, all the file system and benchmarking tools you need, testing, our proprietary (patent-pending) fail-safe technology, and full-service support.	Bernd Niedermeier e. sales@tuxera.com or Aino Tuominen Events and Community Manager e. aino@tuxera.com w. www.tuxera.com
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Other Pre-Recorded Content (click on the video titles below to view)

Member Logo	Title and Abstract	Contact Information
	GENIVI ISO-21434 (Putting into Practice) Industry insiders are promoting ISO/SAE 21434 as the first major Automotive Cybersecurity legislation. This leads to the question, "What exactly does my organization have to do to be prepared?" Look no further! Join automotive cybersecurity experts from the GENIVI Security team as we present a teaser of what the ISO/SAE 21434 contains and how it impacts your organization. This brief presentation will outline the major requirements, and start the conversation about how to apply them, in preparation for upcoming face-to-face workshops. We will explain the overarching concepts and give insight into how we can collaborate to rise to the new challenges imposed by this specification. Note, some parts of this session are pre-recorded. Q&A will be live.	Joby Jester GENIVI Security Lead joby.jester@irdeto.com Mike Nunnery GENIVI Marketing Manager MikeNunnery@comcast.net
	GENIVI Security Team Update (May 2020) With strong leadership and an industry collaborative focus, the GENIVI Security Team presents shares key initiatives for both members and non-members to weigh in on. We look forward to driving industry-wide collaboration and actionable changes to the connected vehicle cybersecurity space through bi-weekly calls, event workshops, cybersecurity panels, and of course in-person face-to-face meetings. Bi-weekly calls are also open to members. To be sent information on how to participate or join the calls, please email joby.jester@irdeto.com requesting to be added to the meeting invite and distribution list.	Joby Jester GENIVI Security Lead joby.jester@irdeto.com Mike Nunnery GENIVI Marketing Manager MikeNunnery@comcast.net