

Detroit | October 18-19, 2022
Full Conference Schedule

Room Locations									
Tuesday, October 18	Provincial Ballroom (Main Floor)	The Abbey (Main Floor)	The Atrium Study (Lower Level)	The Drawing Room I & III (Lower Level)	The Atrium Parlor (Lower Level)	Library Conference Room D (Upper Level)	Library Conference Room C (Upper Level)	Library Conference Room B (Upper Level)	Library Conference Room A (Upper Level)
7:45 AM - 8:30 AM	Registration and Information Desk Open - 7:45 a.m.—7:30 p.m. Complimentary Refreshments and Breakfast Items								
8:30 AM - 9:45 AM	General Session: Building a "New Chassis" for Software-Defined Vehicles Located in the Grande Ballroom								
9:45 AM - 10:00 AM	Transition								
10:00 AM - 10:50 AM	AMF-AUT-T4339 UWB Radar for Automotive Applications - Extended Introductory Session	AMF-AUT-T4282 NXP Safety Power Management Solution for ADAS Application	AMF-AUT-T4374 S32K Family Overview	AMF-AUT-T4312 *S32G Applications Enablement with GoldBox + GoldVIP	AMF-AUT-T4372 From Crossover MCUs to Advanced Multimedia: What's New in i.MX Automotive Processors	AMF-IND-T4175 Hands-On Workshop: Using the Machine Learning (ML) Software Application Packs to Develop a ML-Based State Monitor for Motor Control (Reserved Seat Required)	AMF-AUT-T4383 Hands-On Workshop: FreeRTOS on the S32K (Reserved Seat Required)	AMF-ENT-T4184 Zephyr Overview	AMF-AUT-T4389 Elektrobit: Container Based Application Deployment with Automotive Software Updated on Adaptive AUTOSAR Nodes
10:50 AM - 11:00 AM	Beverage Transition								
11:00 AM - 11:50 AM	AMF-AUT-T4381 Radar Roadmap	AMF-AUT-T4357 Functional Safety Applied to Ethernet Communications	AMF-AUT-T4375 Creating New Vehicle-to-Cloud, Data-Driven Insights and Services with Amazon Web Services (AWS) on NXP S32 Processors	AMF-AUT-T4351 eIQ Auto Overview and Automotive Control Use Cases	AMF-AUT-T4360 i.MX Telematics Use Cases - i.MX 8 to i.MX 9 Migration + OrangeBox Reference Design			AMF-AUT-T4368 Security Architecture of the S32 Automotive Processing Platform	AMF-AUT-T4391 Siemens: Solving the Problem of Using Linux with AUTOSAR on the Same Heterogeneous SoC
11:50 AM - 12:00 PM	Transition								
12:00 PM - 1:30 PM	Technology Lab Opening of Live Demos Complimentary Buffet Lunch								
1:30 PM - 2:20 PM	AMF-AUT-T4393 NDA REQUIRED: NXP's Advanced Radar Signal Processing - A Smarter Way to Enhance Performance Beyond Raw Hardware Capabilities	AMF-AUT-T4370 Cope with Today's and Tomorrow's Safety Challenges in BMS Thanks to NXP's Advanced Safety Architecture	AMF-AUT-T4364 Software-defined Vehicle	AMF-AUT-T4352 Zonal Architectures from a Communication Point of View	AMF-AUT-T4369 Post-Quantum Cryptography: A New Cybersecurity Era	AMF-ENT-T4186 Hands-On Workshop: eIQ Toolkit: Training Image Classification Models for i.MX Applications Processors (Reserved Seat Required)	AMF-AUT-T4384 Hands-On Workshop: Writing CSEc Security Software on S32K1 MCU (Reserved Seat Required)		AMF-ENT-T4252 iWave Global: Product Design with a Solderable System on Module, Built on the Newly Launched OSM Standard from SGeT
2:20 PM - 2:30 PM	Transition								
2:30 PM - 3:20 PM	AMF-AUT-T4382 S32R294 + TEF82xx - What Makes Up a Radar Sensor	AMF-AUT-T4226 NXP's Comprehensive High-Voltage Battery Management System Reference Design and Collaterals	AMF-AUT-T4376 DDR Fundamentals and S32 Tools Suite	AMF-AUT-T4355 Why MACsec for Automotive?	AMF-ENT-T4189 Device Management and Trust Provisioning on the i.MX Applications Processors			AMF-AUT-T4345 S32K3 for Zonal Aggregator Including K3 T-box, K3 Door Zone Demo, TSN and Ethernet	
3:20 PM - 3:30 PM	Afternoon Snack								
3:30 PM - 4:20 PM		AMF-AUT-T4415 Right the First Time! EMC Compliance is Not Rocket Science, Thank You Ralph Morrison!		AMF-AUT-T4356 Zonal Architecture Hardware and Software Solutions with Sonatus and NXP	AMF-ENT-T4217 EdgeLock® Secure Enclaves for Asymmetric Multi-Processing	AMF-ENT-T4185 Hands-On Workshop: Build Your First Zephyr Application on NXP MCUs (Reserved Seat Required)	AMF-AUT-T4410 Connected EV Solutions with NXP S32G GoldBox and S32E GreenBox	AMF-AUT-T4363 Leveraging NXP's Latest Family of Automotive Edge Node MCUs (S32K3) in Motor Control Applications	AMF-AUT-T4323 Green Hills Software: Comparing Virtualization Techniques and Driver Models i.MX and S32 MCUs and Apps Processors
4:20 PM - 4:30 PM	Transition								
4:30 PM - 5:20 PM	AMF-AUT-T4361 Trimension™ NCJ29D6 - An Introduction to NXP's First Automotive Qualified UWB IC Combining Ranging and Radar		AMF-AUT-T4366 Safety Overview and Using the NXP Safety Software Offering on the S32K3	AMF-AUT-T4224 NXP's Automotive Ethernet Solutions for Next Generation Vehicles	AMF-ENT-T4305 Bootling with Confidence		AMF-AUT-T4385 Motion Sensors for Power Management in Connected Edge Devices	AMF-AUT-T4392 NDA REQUIRED: Radar Roadmap	AMF-AUT-T4416 Winbond Electronics: New Automotive Cybersecurity Regulations Require Innovative Memory Solutions
5:20 PM - 5:30 PM	Transition								
5:30 PM - 7:30 PM	Meet and Greet the Experts during the Technology Lab Reception Hosted by NXP Ecosystem Partners								
Legend	Automotive		Enabling Technologies		Industrial		Smart Home		

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Wednesday, October 19	Room Locations								
	Provincial Ballroom (Main Floor)	The Abbey (Main Floor)	Mosaic Ballroom (Main Floor)	The Atrium Study (Lower Level)	The Drawing Room I & III (Lower Level)	The Atrium Parlor (Lower Level)	Library Conference Room D (Upper Level)	Library Conference Room C (Upper Level)	Library Conference Room B (Upper Level)
8:00 AM - 9:00 AM	Registration and Information Desk Open - 8:00 a.m.—5:30 p.m. Complimentary Refreshments and Breakfast Items								
9:00 AM - 9:50 AM	AMF-AUT-T4414 S32K3 Deep Dive - Low Power, MaxQFP Package, Dual Core Capability	AMF-AUT-T4225 xEVs Moving to 800 V: NXP's Scalable and Flexible High-Voltage BMS Reference Design Solution	AMF-AUT-T4377 Wi-Fi 6/6E Evolution in Automotive	AMF-AUT-T4367 Remove Barriers and Challenges Driven by Multi-PMICs Architectures Thanks to Our BYLink Concept	AMF-AUT-T4354 TJA1103 - Highly Efficient Ethernet PHY - Introduction	AMF-AUT-T4243 Driver and Occupant Monitoring System Using i.MX RT1170 (DMS, OMS)	AMF-SMH-T4247 Smart Access Platform Solution Introduction	AMF-AUT-T4241 Hands-On Workshop: Getting Started with S32K3 (Reserved Seat Required)	
9:50 AM - 10:00 AM	Transition								
10:00 AM - 10:50 AM	AMF-AUT-T4394 Green Hills Software: Comprehensive Software Solutions for Production Systems Based on S32Z and S32E Run-time Processors	AMF-AUT-T4341 Innovation at Battery Cell Controller Level: NXP's BMS Portfolio, Catering for LFP Chemistry	AMF-AUT-T4362 Automotive Secure Element NCJ37x: Introductory Session	AMF-ENT-T4214 Murata Wireless Modules	AMF-AUT-T4179 TJA1103 - Highly Efficient Ethernet PHY	AMF-IND-T4211 Multi-Protocol i.MX RT1180 Crossover MCU with Integrated Time-Sensitive Networking Switch Unifies Industrial IoT Communication	AMF-ENT-T4191 Hands-On Workshop: Smart Touchless HMI Solution (Reserved Seat Required)		AMF-AUT-T4371 NXP's Safety Power Management Solution for Propulsion Domain Controllers Attaching FS86+PF5030 <-> S32Z2 & FS26 <-> S32K3 (Green Box 3)
10:50 AM - 11:00 AM	Beverage Transition								
11:00 AM - 11:50 AM	AMF-AUT-T4346 What are the Differences Between S32G2 and S32G3?	AMF-IND-T4220 Leveraging Mobile Robotics Solutions and Reference Designs for Your Own Designs	AMF-AUT-T4207 NXP's Innovation in Bluetooth Low Energy	AMF-AUT-T4365 Manage System Power and Safety for Automotive Applications with SBCs for Multi-Vendor Processors	AMF-AUT-T4353 The New Low Speed Networks: CAN XL and 10BASE-T1S Technology	AMF-AUT-T4373 Field Return on i.MX Devices			AMF-AUT-T4411 NDA REQUIRED: S32Z and S32E Real-Time Processor Architecture
11:50 AM - 12:00 PM	Transition								
12:00 PM - 1:30 PM	Technology Lab Opening of Live Demos Complimentary Buffet Lunch								
1:30 PM - 2:20 PM	AMF-AUT-T4347 S32G Firmware Over-the-Air (FOTA) Reference Design	AMF-AUT-T4227 NXP Inverter Analog Solutions: Functional Safety and Gate Drivers (GDxx) + SBC (FS26)	AMF-AUT-T4379 Introduction to the NXP Partner Program for Automotive Microcontrollers and Microprocessors	AMF-AUT-T4378 BMS Software - Utilizing the MC3377x SW Drivers	AMF-AUT-T4358 Automotive Ethernet Fundamentals and NET-C Implementation	AMF-AUT-T4387 The Connected Car	AMF-ENT-T4177 Hands-On Workshop: Building and Measuring Energy Consumption of a Design with MCUXpresso IDE and Config Tools (Reserved Seat Required)	AMF-AUT-T4386 Hands-On Workshop: Working with the NXP HSE Security Firmware Solution on S32K3 MCU (Reserved Seat Required)	AMF-AUT-T4412 NDA REQUIRED: S32Z and S32E Real-Time Processor Isolation Features
2:20 PM - 2:30 PM	Transition								
2:30 PM - 3:20 PM	AMF-AUT-T4348 S32G Isolation Overview		AMF-AUT-T4380 Changing the Status Quo: How to Stop Designing Products Likely to Fail EMC	AMF-AUT-T4390 iSYSTEM: A Deep Dive into Debugging and Tracing on NXP's S32K Microcontroller Families		AMF-AUT-T4395 NDA REQUIRED: Introduction To The S32K396 ASIL D Microcontroller With Advanced Motor Control Peripherals			
3:20 PM - 3:30 PM	Afternoon Snack								
3:30 PM - 4:20 PM	AMF-AUT-T4349 QSPI Deep Dive	AMF-AUT-T4413 Deep Learning-Based State-of-Charge (SoC) Estimation, Leveraging AI and Model-Based Design			AMF-AUT-T4359 NXP Real Time Drivers for Ethernet Switches and PHYs				
4:20 PM - 4:30 PM	Transition								
4:30 PM - 5:20 PM									
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