



CONNECTS

DIGITAL EXPERIENCE OCTOBER 20-21



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AMERICAS SCHEDULE | OCTOBER 20, 2020

All times are Central Daylight Time (UTC -5 hours)

09:00AM-10:00AM		OPENING KEYNOTE					
10:00AM-11:00AM	Edge Computing Architecture Trends Fireside Chat featuring NXP's Kevork Kechichian, EVP of MCU/MPU Engineering & Ron Martino, SVP and GM of Edge Processing	Automotive	Automotive	Mobile	Communication Infrastructure	Hardware & Software Solutions	
		Automotive Electrification Introduction	The Latest Trends in e-Cockpit for Radio, Audio, HMI and Displays	Understanding UWB Technology: What It is and How It Works	NXP 5G Access Edge—Solutions for 5G NR	Hands-On Workshop: Easily Design Your Graphical UI with NXP MCUs and SEGGER EmWin and App Wizard	
11:00AM-11:50AM		Automotive		Industrial	Edge Intelligence		
		NXP Full Radar Product Overview—TRX Portfolio and S32R Radar Family		i.MX RT1170 Crossover MCUs: Ushering in the GHz Era of MCUs	The Growing Demand for Wi-Fi® in IoT		
11:50AM-12:00PM		Break					
12:00PM-12:50PM		Automotive	Automotive	Hardware & Software Solutions	Edge Intelligence	Edge Intelligence	
		Comprehensive Overview of the S32K3xx Automotive MCU Family and What Its Software Offers	Functional Safety in Power Management ICs and Related System Considerations	Implementing Latest IoT Security Use Cases with NXP's EdgeLock™ SE050 Secure Element	High-Performance, Tri-band Wi-Fi® 6E Access Point/Gateway Solutions	Hands-On Workshop: Deploying Machine Learning using i.MX RT Crossover MCUs	
12:50 PM-1:00PM		Break					
1:00 PM-1:50 PM		Automotive	Automotive	Smart Home	Communication Infrastructure		
		How to Develop Systems Following ISO26262 / IEC61508 Standards Based on the S32K3xx Automotive MCU for ASIL B/D Applications	Why Automotive OEMs Are Upgrading to Wi-Fi® 6	Advantages of NXP's Arm® Cortex®-M-Based MCU Portfolio for Your Next-Generation Application	5G WLAN / Wi-Fi® 6 Front-End IC		
1:50PM-2:00PM		Break					
2:00 PM-2:50 PM			Industrial	Mobile	Edge Intelligence		
			Enable Your Automotive and Industrial Solutions: An Overview of the i.MX 8/8X Portfolio and Use Cases	Creating Seamless Digital Smart City Services With MIFARE 2GO	Why Integrate Wi-Fi® 6 into Your Next Design		

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09:00 AM-10:00 AM		AUTOMOTIVE ELECTRIFICATION PANEL					
10:00 AM-11:00 AM		CONNECTIVITY PANEL					
11:00 AM-11:50 AM		Automotive	Automotive	Mobile	Edge Intelligence		
		Motor Control Solutions Based on the Scalable and Secure S32K3 and S32K1 MCU Families	Functional Safety Industrial and Automotive Concepts of the i.MX 8/8X Families of Applications Processors	UWB Use Case Enablement	Essential Security Considerations for Edge Applications		
11:50 AM-12:00 PM		Break					
12:00 PM-12:50 PM		Automotive	Automotive	Hardware & Software Solutions	Industrial		
		Automotive MCU Security and OTA Solution with Cost-Optimized S32K1xx and S32K3xx Automotive MCUs	Battery Management Systems 101: Getting Started with NXP System Solutions	Meet NXP's Impressive i.MX 8M Portfolio of Products for Industrial and IoT	Help Make Your Healthcare Device Smarter		
12:50 PM-1:00 PM		Break					
1:00 PM-1:50 PM		Automotive	Automotive	Edge Intelligence		Mobile	Edge Intelligence
		Scalable and Safe Power Management Solutions for Autonomous, Electric and User-Defined Cars	New Approach to Automotive Ethernet Packet Processing	Machine Learning at the Edge: Introduction to ML and NXP eIQ™ Machine Learning Software	Hands-On Workshop: Building Advanced Audio Applications Using i.MX RT600 and i.MX RT500 Crossover MCUs	i.MX 8M Plus Vision-Based Machine Learning Applications and Solutions	
1:50 PM-2:00 PM		Break					
2:00 PM-2:50 PM		Automotive		Smart Home	Smart Home		
		Automotive CAN Networking Trends and Innovations		Low-Power Wireless Audio Streaming Solution	Fast-Track Your Next Industrial or IoT Design with the Arm® Cortex®-M33-based LPC550 MCU Series		
2:50 PM-3:00 PM		Break					
3:00 PM-3:50 PM		Automotive	Automotive	Mobile	Smart Home		
		S32 Design Studio (S32DS) Tools Overview: S32DS for Automotive and Ultra-Reliable Power Architecture® (e200 cores) and Arm®-based Microcontrollers and Processors	Addressing the Rise of Automotive Gateways and New Vehicle Architectures with the NXP S32G Vehicle Network Processor	Learn the Different System Design Considerations When Selecting a Low-Voltage PMIC	MCU-Based Solutions for Voice Control and Face Recognition		

■ Automotive
 ■ Communication Infrastructure
 ■ Edge Intelligence
 ■ Hardware & Software Solutions
 ■ Industrial
 ■ Mobile
 ■ Smart Home