



# CONNECTS

DIGITAL EXPERIENCE OCTOBER 20-21



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# EMEA SCHEDULE | OCTOBER 20, 2020

All times are Central European Summer Time (UTC +2 hours)

|             |  |   |  |  |  |  |  |  |  |  |  |  |  |   |  |
|-------------|--|---|--|--|--|--|--|--|--|--|--|--|--|---|--|
| 09:00–10:00 |  |   |  |  |  |  |  | OPENING KEYNOTE: ENABLING A SAFER AND SMARTER WORLD  |  |  |  |  |  |   |  |
| 10:00–10:10 |  |   |  |  |  |  |  | Break  |  |  |  |  |  |   |  |
| 10:10–11:00 |  | <b>Automotive</b><br>The Latest Trends in e-Cockpit for Radio, Audio, HMI and Displays  |  | <b>Mobile</b><br>Understanding UWB Technology: What It Is and How It Works |  | <b>Communication Infrastructure</b><br>NXP 5G Access Edge – Solutions for 5G NR                                  |  | <b>Hardware &amp; Software Solutions</b><br>Crank Software: Why Rapid GUI Development is Essential for Today's Embedded Systems                                |  | <b>Smart Home</b><br>WPG: Unveiled the Design of LPC55 Series – 8K Polling Rate Gaming Combo Set (Keyboard & Mouse & Headset)                      |  |  |  |   |  |
| 11:00–11:10 |  |   |  |  |  |  |  | Break  |  |  |  |  |  |   |  |
| 11:10–12:00 |  | <b>Automotive</b><br>Scalable and Safe Power Management Solutions for Autonomous, Electric and User-Defined Cars                                  |  | <b>Industrial</b><br>Help Make Your Healthcare Device Smarter              |  | <b>Communication Infrastructure</b><br>5G WLAN / Wi-Fi® 6 Front-End IC   |  | <b>Hardware &amp; Software Solutions</b><br>QNX: The Use of the QNX RTOS to Enable a Safe and Secure Platform Approach to a Broad Range of NXP i.MX 8 Hardware |  | <b>Industrial</b><br>WT Microelectronic: WT BLDC Motor (FOC) Development Tool  |  |  |  |   |  |
| 12:00–12:10 |  |   |  |  |  |  |  | Break  |  |  |  |  |  |   |  |
| 12:10–13:00 |  | <b>Automotive</b><br>New Approach to Automotive Ethernet Packet Processing  |  | <b>Smart Home</b><br>Low-Power Wireless Audio Streaming Solution           |  | <b>Mobile</b><br>Creating Seamless Digital Smart City Services With MIFARE 2GO                                   |  | <b>Industrial</b><br>i.MX RT1170 Crossover MCUs: Ushering in the GHz Era of MCUs   |  | <b>Edge Intelligence</b><br>Arrow: A Quick Start Guide to eIQ—Running AI/ML on the Latest i.MX SBCs  |  | <b>Automotive</b><br>The Qt Company: Minimizing Risks When Building an Instrument Cluster HMI  |  |   |  |
| 13:00–13:10 |  |   |  |  |  |  |  | Break  |  |  |  |  |  |   |  |
| 13:10–14:00 |  | <b>Automotive</b><br>Comprehensive Overview of the S32K3xx Automotive MCU Family and What Its Software Offers                                     |  | <b>Automotive</b><br>Automotive Electrification Introduction               |  | <b>Edge Intelligence</b><br>High-Performance, Tri-band Wi-Fi® 6E Access Point/Gateway Solutions                  |  | <b>Hardware &amp; Software Solutions</b><br>Implementing Latest IoT Security Use Cases with NXP's EdgeLock™ SE050 Secure Element                               |  | <b>Edge Intelligence</b><br>Hands-On Workshop: Deploying Machine Learning using i.MX RT Crossover MCUs   |  | <b>Hardware &amp; Software Solutions</b><br>Microsoft: Edge to Cloud; Enabling New Intelligent Capabilities with Azure RTOS                                      |  | <b>Edge Intelligence</b><br>Arm: Introduction to an Open Approach for Low-Power IoT Development |  |
| 14:00–14:10 |  |   |  |  |  |  |  | Break  |  |  |  |  |  |   |  |
| 14:10–15:00 |  | <b>Automotive</b><br>How to Develop Systems Following ISO26262 / IEC61508 Standards Based on the S32K3xx Automotive MCU for ASIL B/D Applications |  | <b>Automotive</b><br>Why Automotive OEMs Are Upgrading to Wi-Fi® 6         |  | <b>Smart Home</b><br>Advantages of NXP's Arm® Cortex®-M-Based MCU Portfolio for Your Next-Generation Application |  |  |  | <b>Hardware &amp; Software Solutions</b><br>Rochester Electronics: Authorized Solutions for Overcoming Semiconductor EOL & Supply Chain Disruption |  | <b>Automotive</b><br>Green Hills Software: Applying Multicore Avionics Software Architectures to Automotive and Industrial Safety/Security-Critical Applications |  |   |  |

# EMEA SCHEDULE | OCTOBER 21, 2020

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|-------------|--|--|--|---|--|--|--|--|--|--|--|---|--|--|--|
| 09:30–10:00 |  |  |  |   |  |  |  | PANEL: PUSHING THE FRONTIER OF AUTOMOTIVE ELECTRIFICATION  |  |  |  |   |  |  |  |
| 10:00–10:10 |  |  |  |   |  |  |  | Break  |  |  |  |   |  |  |  |
| 10:10–11:10 |  |  |  |   |  |  |  | PANEL: CUT THE COMPLEXITY OF WIRELESS CONNECTIVITY   |  |  |  |   |  |  |  |
| 11:10–12:00 |  | <b>Automotive</b><br>Automotive MCU Security and OTA Solution with Cost-Optimized S32K1xx and S32K3xx Automotive MCUs  |  | <b>Automotive</b><br>Battery Management Systems 101: Getting Started with NXP System Solutions  |  | <b>Smart Home</b><br>MCU-Based Solutions for Voice Control and Face Recognition  |  | <b>Hardware &amp; Software Solutions</b><br>Meet NXP's Impressive i.MX 8M Portfolio of Products for Industrial and IoT |  | <b>Hardware &amp; Software Solutions</b><br>Microsoft: Microsoft Azure Sphere, Securing the IoT  |  |   |  |  |  |
| 12:00–12:10 |  |  |  |   |  |  |  | Break  |  |  |  |   |  |  |  |
| 12:10–13:00 |  | <b>Automotive</b><br>Motor Control Solutions Based on the Scalable and Secure S32K3 and S32K1 MCU Families   |  | <b>Automotive</b><br>Automotive CAN Networking Trends and Innovations   |  | <b>Smart Home</b><br>Fast-Track Your Next Industrial or IoT Design with the Arm® Cortex®-M33-based LPC5500 MCU Series      |  | <b>Mobile</b><br>Building Advanced Audio Applications Using i.MX RT600 and i.MX RT500 Crossover MCUs                   |  | <b>Edge Intelligence</b><br>Comprehensive Vision Solutions for the i.MX 8M Plus Applications Processor                                       |  |   |  |  |  |
| 13:00–13:10 |  |  |  |   |  |  |  | Break  |  |  |  |   |  |  |  |
| 13:10–14:00 |  | <b>Automotive</b><br>Functional Safety in Power Management ICs and Related System Considerations   |  | <b>Mobile</b><br>UWB Use Case Enablement  |  | <b>Industrial</b><br>Enable Your Automotive and Industrial Solutions: An Overview of the i.MX 8/8X Portfolio and Use Cases |  | <b>Edge Intelligence</b><br>Essential Security Considerations for Edge Applications                                    |  | <b>Automotive</b><br>Toradex: Automotive Grade OTA for Industrial IoT  |  |   |  |  |  |
| 14:00–14:10 |  |  |  |   |  |  |  | Break  |  |  |  |   |  |  |  |
| 14:10–15:00 |  | <b>Automotive</b><br>Functionally Safe xEV Traction Inverter Solutions Supporting SiC MOSFET and IGBTs   |  | <b>Automotive</b><br>Functional Safety Industrial and Automotive Concepts of the i.MX 8/8X Families of Applications Processors            |  | <b>Edge Intelligence</b><br>Why Integrate Wi-Fi® 6 into Your Next Design   |  | <b>Edge Intelligence</b><br>Machine Learning at the Edge: Introduction to ML and NXP eIQ™ Machine Learning Software    |  | <b>Hardware &amp; Software Solutions</b><br>Hands-On Workshop: Easily Design Your Graphical UI with NXP MCUs and SEGGER EmWin and App Wizard |  | <b>Edge Intelligence</b><br>Avnet: Machine Learning Benchmarking on Low-Cost SBCs |  |  |  |
| 15:00–15:10 |  |  |  |   |  |  |  | Break  |  |  |  |   |  |  |  |
| 15:10–16:00 |  | <b>Automotive</b><br>S32 Design Studio (S32DS) Tools Overview: S32DS for Automotive and Ultra-Reliable Power Architecture® (e200 cores) and Arm®-based Microcontrollers and Processors |  | <b>Automotive</b><br>Addressing the Rise of Automotive Gateways and New Vehicle Architectures with the NXP S32G Vehicle Network Processor |  | <b>Edge Intelligence</b><br>The Growing Demand for Wi-Fi® in IoT   |  | <b>Mobile</b><br>Learn the Different System Design Considerations When Selecting a Low-Voltage PMIC                    |  |  |  |   |  |  |  |