embeddedworld Exhibition&Conference

CONFERENCE PROGRAM 10.–12.3.2026

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Tuesday, 10 March

9:30 - 13:00	Class 2.1 **Faster. Smarter. Firmware. Modern Best Practices for Better Embedded Systems**	Class 2.2 **Hands-On Zephyr Project Workshop**	Class 4.1 **Soft Logic, Hard Math: Building a RISC-V FPU With IEEE 754 Support on FPGAs**	Class 7.1 **Introduction to tinyML – Deploying Deep Learning Models Onto Low-power Micro-Controllers**
14:00 - 17:00	Class 4.2 **Safeguarding Industrial Interfaces: Reliable Protection Against Transient Overvoltage**	Class 5.1 **Rust, a Safe Language for Low-level Programming**	Class 5.2 **GitLab for Embedded DevOps: Integrated AI for Both DevSecOps Adoption and Product Delivery**	Class 7.2 **Edge AI: Evolution and Hands-on**

Wednesday, 11 March

9:30 - 13:00	Class 3.1 **CRA Regulations and Certification**	Class 5.3 **Programming With Rust for C/C++ Programmers**	Class 5.4 **C++ and Modern C++ for Embedded Development**	Class 7.3 **From Vision to Deployment: Developing Secure AI-Enabled Linux Devices**
14:00 - 17:00	Class 2.3 **Embedded GNU/Linux in Mid-integrity/ Mixed-criticality Safety-related Systems**	Class 2.4 **Embedded Linux Security Exercised on the Secure Platform GyroidOS**	Class 3.2 **Cyber Resilience Act (CRA) – Practical Implementation Examples**	Class 3.3 **Embedded Safety Architectures**

Thursday, 12 March

9:30 - 13:00	Class 2.5 **Introduction to Embedded Linux Using a Yocto Project SDK**	Class 4.3 **FPGA-Design Using C/C++ and High-Level Synthesis**	Class 4.4 **Designing Battery-free IoT**	Class 5.5 **Embedded Software Testing – With Fundamental Skills and Artificial Intelligence**

	1. IOT & CONNECTIVITY		2. EMBEDDED OS	3. SAFETY & SECURITY		4. HARDWARE DESIGN		5. SOFTWARE & SYSTEMS ENGINEERING		6. EMBEDDED VISION	7. EDGE AI	8. USE CASES FOR EMBEDDED
DAY 1	Session 1.1 **Ambient IoT** (powered by Ambient IoT Alliance)	Session 1.4 **WiFi and Long-Range**	Session 2.1 **Long-Term Stability with Yocto** (powered by Yocto Project)	Session 3.1 **Implementing the Cyber Resilience Act (CRA)**	Session 3.4 **Open Source for Safety & Security 1**	Session 4.1 **Chiplets in Automotive Applications** (powered by UCIe)		Session 5.1 **Programming Languages: Rust**	Session 5.4 **Software Architectures** (powered by Eclipse Foundation)	Session 6.1 **Open Source Solutions**		
	Session 1.2 **IoT Ecosystem Technologies 1**	Session 1.5 **CAN Technologies** (powered by CiA)	Session 2.2 **Yocto Use Cases** (powered by Yocto Project)	Session 3.2 **Post Quantum Cryptography Strategies**	Session 3.5 **Open Source for Safety & Security 2**	Session 4.2 **Chiplets - Certification, Validation & Test** (powered by UCIe)		Session 5.2 **Programming Languages**	Session 5.5 **Development Processes for Software Defined Vehicles (SDV)**	Session 6.2 **Hardware Acceleration**		
	Session 1.3 **IoT Ecosystem Technologies 2**	Session 1.6 **CAN Safety & Security** (powered by CiA)	Session 2.3 **RTOS Orchestration**	Session 3.3 **Long-Term & Post Quantum Security**	Session 3.6 **Trusted Artificial Intelligence**	Session 4.3 **MIPI Interfaces** (powered by MIPI Alliance)		Session 5.3 **MISRA SW-Coding Guidelines** (powered by MISRA)	Session 5.6 **Open Source Software**	Session 6.3 **Pipelines** (powered by Edge AI & Vision Alliance)		
DAY 2	Session 1.7 **Ethernet Time Sensitive Networking (TSN)**	Session 1.10 **Cellular - Emerging Technologies**	Session 2.4 **Zephyr - Best Practice** (powered by Zephyr Project)	Session 3.7 **Reliable Architectures**		Session 4.4 **System on Chip Design Process**		Session 5.7 **Testing Embedded Software**		Session 6.4 **Emerging Embedded Vision and Audio Technologies**	Session 7.1 **Lightweight Embedded AI**	Session 8.1 **Medical Applications**
	Session 1.8 **Single-Pair Ethernet** (powered by SPE System Alliance)	Session 1.11 **Cellular - 5G**	Session 2.5 **Zephyr in Safety-Critical Applications** (powered by Zephyr Project)	Session 3.8 **Reliable Code / Safe Rust**		Session 4.5 **System Hardware - Design Examples**		Session 5.8 **Trustable Embedded Software**		Session 6.5 **EV Use Cases**	Session 7.2 **Neuromorphic Computing**	Session 8.2 **Predicitve Maintenance Applications**
	Session 1.9 **Applying Ethernet Technologies**	Session 1.12 **Cellular - eSIM**	Session 2.6 **Zephyr Use Cases** (powered by Zephyr Project)	Session 3.9 **Reliability Testing**		Session 4.6 **Architectural Design**		Session 5.9 **Formal Verification**		Session 6.6 **Radar and Artificial Intelligence**	Session 7.3 **Qualification and Validation**	Session 8.3 **Mobility Applications**
DAY 3	Session 1.13 **Bluetooth - Best Practices** (powered by Bluetooth SIG)		Session 2.7 **Container Use Cases**	Session 3.10 **Ensuring Resilient Embedded Systems**		Session 4.7 **Hardware Design and Production Process** (powered by FED)	Session 4.10 **RISC-V Ecosystem** (powered by RISC-V Foundation)	Session 5.10 **DevOps & CI/CD Pipeline**	Session 5.13 **Digital Twin**		Session 7.4 **Execution**	Session 8.4 **Development Processes**
	Session 1.14 **Bluetooth - Emerging Technologies** (powered by Bluetooth SIG)		Session 2.8 **Beyond Virtualization**	Session 3.11 **Trustworthy Systems with CHERI & RISC-V** (powered by CHERI Alliance)		Session 4.8 **Hardware Design Examples**	Session 4.11 **RISC-V Applications** (powered by RISC-V Foundation)	Session 5.11 **Workflows and Tools**	Session 5.14 **Software Debugging and Tracing**		Session 7.5 **From Lab to Field**	Session 8.5 **Security Applications 1**
	Session 1.15 **Bluetooth in Automotive Applications** (powered by Bluetooth SIG)		Session 2.9 **Real-Time Virtualization**	Session 3.12 **DevSecOps for Safe & Secure Systems**		Session 4.9 **Power Supply Design**	Session 4.12 **Open-Source SoC Hardware**	Session 5.12 **Technical Debt and Legacy**	Session 5.15 **Generating Flexible & Efficient Code**		Session 7.8 **Use Cases** (powered by EDGE AI FOUNDATION)	Session 8.6 **Security Applications 2**