



## 24° WORKSHOP on AUTOMOTIVE SOFTWARE & SYSTEMS

21 MAGGIO, 2026

Area Territoriale C.N.R. di Bologna (Via Piero Gobetti, 101 - 40129 Bologna)

### PROGRAMMA

09:15 **Giuseppe Lami** (CNR-ISTI)  
**Workshop Introduction**

#### Sessione 1: AI in Automotive Systems

09:30 **G. Scappatura** (Intecs Technologies)  
**Artificial Intelligence in Automotive: Challenges, Risks and Standards**

10:00 **D. Russo** (Bitron)  
**AI-based Embedded Code Synthesis: Integrating AI into Automotive Embedded Software**

#### Sessione 2: Automotive SPICE

10:30 **L. Franzitta, V. Franzitta** (Bosch)  
**Process Performance and Process Suitability and Effectiveness Indicators in Automotive SPICE**

11:00 **Coffee Break**

#### Sessione 3: Safety & Open Source Software

11:20 **R. Ellner** (Develop Group)  
**AUTOSAR CAPI: Enabling Certification-Ready Open Source for Software-Defined Vehicles**

11:50 **R. Bagnara** (BUGSENG / Università di Parma)  
**Using Pre-Existing Open-Source Software under ISO 26262: Lessons from Zephyr RTOS and the Xen Hypervisor**

#### Sessione 4: Functional Safety

12:20 **E. Santillo** (Teoresi)  
**Validazione della percezione nei sistemi ADAS: un approccio multi-sensore per supportare ISO 26262 e SOTIF**

12:50 **L. Laugier** (UTAC)  
**SOTIF-based analysis of ADAS safety limitations**

13:20 **LUNCH BREAK** (offerto dagli sponsor)

#### Sessione 4: Functional Safety (cont.d)

14:30 **S. Prati, L. Pistoni** (Meta Electronics)  
**Journey into the integration of a MCU Safety Manual on a E/E Automotive ECU Design**

15:00 **C. Donzella, G. Nicosia** (Exida development)  
**Functional Safety, SOTIF and Cybersecurity – Validation and conformity demonstrator extended in Horizon SHASAI project**

15:30 **Coffee Break**

#### Sessione 5: Cybersecurity

15:50 **F. Bella** (UL Solutions)  
**Cyber Resilience Act: Implications for the Automotive Industry**

16:20 **S. Mazzetti** (ESWS srl)  
**Intrusion Detection su rete CAN veicolare: implementazione su ECU edge e architettura distribuita per la cyber security di prodotto**

17:00 **Workshop Closure**

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