embeddedworld
Exhibition&Conference

SPECIAL CALL FOR PAPERS

11 – 13.03.2025 NUREMBERG I GERMANY

The **embedded world Exhibition & Conference** is the world's premier event for the embedded systems industry. It brings together researchers and developers, industry and academia from all disciplines of the embedded systems ecosystem and drives the evolution of complex systems of systems and its manifold innovative aspects.

The **embedded world Conference in collaboration with CAN in Automation (CiA)** is calling for proposals for a special CAN technology session.

CAN (controller area network) is an internationally standardized serial communication system for embedded networking. It comprises the CAN CC (classic), CAN FD (flexible data rate), and CAN XL (extended data-field length) data link layer protocols as well as related CAN physical media approaches and HLP (higher-layer protocol) solutions. The CiA nonprofit association provides an unbiased platform for future CAN-related specifications and standards. Founded in 1992, it provides technical, product, and marketing information to the CAN community.

The **CAN technology session topics** are intended to provide an overview of new technology trends. The special topics will include:

- **Data link layer:** Implementation and system usage aspects
- **Physical layer:** Network design recommendations including cabling and EMC (electromagnetic compatibility) impacts
- **Higher-layer protocols:** Implementation as well as device and system design concepts (e.g. for CANopen or SAE J1939)
- **Profiles and applications:** Examples of standardized profile specifications and dedicated applications in different industries
- **Testing and diagnostics:** Conformance and interoperability testing as well as diagnostic protocols
- **Add-on functions:** Protocol extensions for cybersecurity, functional safety, high-availability (redundancy), etc.

www.embedded-world.eu/special-cfps

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Important dates I Submission until **18 October 2024**, selecting the topic "12.14 CAN in Automation". Authors will be notified by early December 2024.

WEKA FACHMEDIEN