

SPECIAL CALL FOR PAPERS

08. – 10.10.2024 AUSTIN, TEXAS | USA

11. – 13.03.2025 NUREMBERG | 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 MIPI Alliance** is calling for proposals for a special session(s) on MIPI specifications. Abstracts can be submitted both for embedded world 2025 (Nuremberg, Germany) and embedded world North America 2024 (Austin, Texas, USA).

MIPI's standardized interfaces and protocols enable key functionality within embedded applications, including cameras, displays, audio, chip-to-chip communication, control/data, and debug/trace. Although MIPI specifications were originally conceptualized for mobile applications, over the years they have been increasingly leveraged and designed for "mobile-influenced" markets, such as wearables, AR/VR headsets, medical devices, drones, industrial equipment and automobiles.



The MIPI session(s) will explain the benefits and uses of MIPI interfaces and protocols in a variety of application areas, including industrial, consumer electronics, robotics, drones and automotive. Topics of particular interest include:

- Use of MIPI CSI-2 to achieve optimal image quality for machine vision, AR/VR and AI applications
- Advantages of MIPI I3C over traditional serial interfaces for data acquisition and control applications
- Use of MIPI A-PHY, C-PHY or D-PHY interfaces to enable high-speed, low-power, low-EMI applications.
- Use of MIPI audio interfaces
- Use of MIPI specifications to support ADAS, ADS and IVI applications in emerging automotive architectures
- Advantages of MIPI DSI-2 and its use of VESA compression within embedded systems
- Use of MIPI debug/trace specifications to accelerate product development

Other proposals regarding additional applications, use cases and case studies illustrating use of MIPI specifications in embedded designs are welcome.

embedded world NA 2024, Austin:  www.embedded-world-na.com/special-cfps

embedded world 2025, Nuremberg:  www.embedded-world.eu/special-cfps

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Important dates | Submission (selecting the topic "11.05 MIPI Alliance"):

- for embedded world North America (8-10 October 2024, Austin, TX, USA) until **14 June 2024**, authors will be notified by 16 August 2024.
- for embedded world 2025 (11-13 March 2025, Nuremberg, Germany) until **27 September 2024**, authors will be notified by early December 2024.