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TI POWER

The banner features the Texas Instruments logo on the left, a red box with white text in the center, a black integrated circuit chip on the right, and a red button with white text and the TI POWER logo below it.

ADVANCED DRIVER ASSISTANCE SYSTEMS FEATURE

Robot Design for Electromagnetic Compatibility and Functional Safety

Factories of the future are likely to contain more robots of various types, including self-contained manufacturing cells that could contain a mix of SCARA, cartesian, and linear robots, as well as collaborative robots (cobots) that are designed to work in close proximity to humans.

As extra automated systems become packed onto factory floors, often near human workers, equipment designers must take care to meet applicable equipment directives that cover both electromagnetic compatibility and functional safety.

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AUTOMOTIVE SENSORS NEWS

New Mentor Solution Lowers Cost and Speeds Development of Automotive Cockpit Systems

Mentor, a Siemens business, introduced the VCO2S solution (Vehicle Cockpit

Consolidation Solutions). Per the company, the offering helps automotive OEMs and their suppliers design and develop next-generation cockpit systems on a single high-compute electronic control unit (ECU) system.

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AUTOMOTIVE NETWORKING NEWS

IAR Systems Adds Functionality to Functional Safety Certified Renesas RH850 Development Tools

The latest version of the complete C/C++ compiler and debugger toolchain IAR Embedded Workbench for Renesas RH850 can now optionally generate position-independent code and/or position-independent data.

[Read more](#)

AUTOMOTIVE CONNECTIVITY NEWS

ACEINNA and Point One Navigation To Enable Precise Positioning Solution

OpenRTK330 is a high performance GNSS receiver with a built-in RTK engine and triple redundant inertial sensors. It is designed for use in Level 3 ADAS and other high-volume applications requiring precise position information.

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AUTOMOTIVE POWER NEWS

STMicroelectronics and Sanken Announce Strategic Partnership to Develop Intelligent Power Modules for Industrial and Automotive Products

STMicroelectronics and Sanken Electric have collaborated to display the advantages of intelligent power modules (IPM) in high-voltage, high-power equipment designs.

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IN-VEHICLE INFOTAINMENT NEWS

Y-Quad, the Junction Box Connector for the Automotive Sector

In general, junction boxes, which are used in automotive infotainment systems for the internal wiring and control of loudspeakers, are a common interface. Yamaichi has further developed and improved this I/O connector, which is based on a Volkswagen standard interface, Quadlock.

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WEBCAST

Autonomous Vehicles: We're Already There (Sort Of)

Sponsored by: **Achronix, Lattice, DFI, Cadence, Arm**

Date: **November 19, 11:00 a.m. ET**

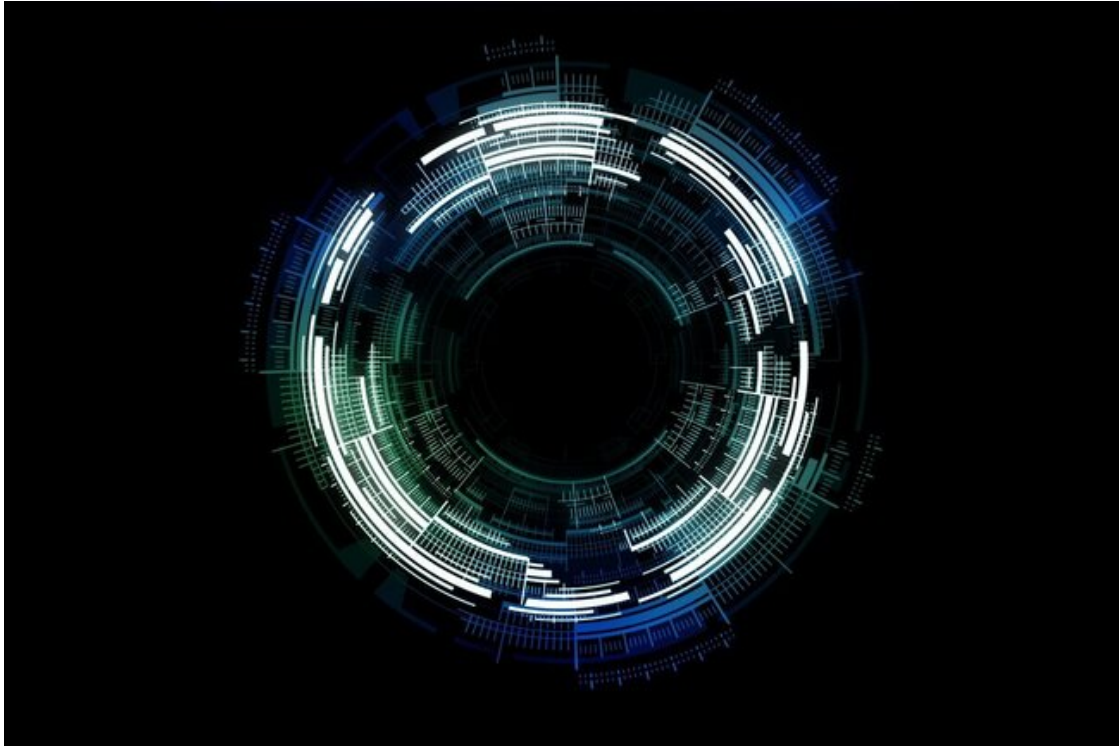
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IN-VEHICLE INFOTAINMENT FEATURE

IoT Hits the Road: Turning Vehicles Into Communications Hubs

There's a new frontier for IoT, and it represents a new category of IoT deployments: the trucks, trains, buses, planes, ships, and other vehicle fleets that collectively create transportation networks around the world.

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