



Welcome ACC 2020 attendees! We are looking forward to speaking with you at our virtual booth. We have put together four 15-minute presentations on the following topics:

<p><b>Rapid Controls Prototyping: Basics and Overview</b></p>	<p><b>Introduction to Power Electronics</b></p>	<p><b>Sensor Fusion, Prototyping and Data Logging</b></p>	<p><b>Data-Driven Development of Autonomous Systems</b></p>
<p><b>Viewing Hours (July 1-2):</b> 11 a.m. MT</p>	<p><b>Viewing Hours (July 1-2):</b> 11:30 a.m. MT</p>	<p><b>Viewing Hours (July 1-2):</b> 12 p.m. MT</p>	<p><b>Viewing Hours (July 1-2):</b> 12:30 p.m. MT</p>

If you're looking for tools for electronic control unit development, this is our area of specialty. From architecture-based system design and block-diagram-based function prototyping to automatic production code generation and hardware-in-the-loop (HIL) tests, dSPACE products are successfully being used in the classroom and in research projects at internationally renowned universities.

Come see me at the dSPACE virtual booth to learn more.



For more information, please contact:

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## ACE Kit - MicroAutoBox II

The MicroAutoBox II is a compact and robust prototyping system for in-vehicle applications. This real-time system is designed for performing fast function prototyping. It can operate without user intervention, just like an ECU, and can be used for applications such as: powertrain, chassis control, body control, ADAS, electric drives control, x-by-wire applications, aerospace, etc.

- IBM PowerPC running at 900 MHz
- Comprehensive I/O including CAN, CAN FD, LIN, K-Line, FlexRay, Ethernet and LVDS/bypass interfaces (additional purchase of blockset may be applicable, please inquire)
- Robust and compact design ideal for in-vehicle use
- AC Motor Control Solution upgrades the 1513 and 1513/1514 variants to compact, flexible developments systems for electric motor control applications. Without any programming by the user, it uses the DS1553 (additional cost module), together with FPGA firmware and an easy-to-use MicroAutoBox II blockset (MABX II\_ACMC\_BS) at an additional cost, for controlling all kinds of electric drives



[MicroAutoBox II](#)

## NEW: MicroAutoBox III - Next Generation In-Vehicle Prototyping System

The new MicroAutoBox III is the next generation of the established dSPACE MicroAutoBox, a real-time system for performing fast, in-vehicle function prototyping.

The powerful system can be added to or replace an electronic control unit (ECU), and lets you experience and test control functionalities in a real environment. MicroAutoBox III is ideal for many different rapid control prototyping (RCP) applications either as a single demonstrator or for equipping entire test fleets.

The MicroAutoBox III uniquely combines high performance, comprehensive automotive I/O including bus and network support, and an extremely compact and robust design – all for a favorable price. The comprehensive software environment lets you configure, program and operate the system easily and with minimum effort.

- High computation power with quad-core ARM® processor
- Comprehensive bus and network support, including CAN, CAN FD, LIN, FlexRay, and (automotive) Ethernet
- Functional safety monitoring features



[MicroAutoBox III](#)

## ACE Kit - MicroLabBox

With the MicroLabBox, dSPACE introduces a fully new system category: an all-in-one development system for the laboratory that combines compact size and low system costs with high performance and versatility. More than 100 I/O channels of different types make MicroLabBox a versatile system that can be used in mechatronic research and development areas such as: robotics, medical engineering, electric motors, electric drives, renewable energy, vehicle engineering, aerospace, active noise cancellation, etc.

- 2 GHz dual-core real-time processor
- More than 100 channels of high-performance I/O with easy access via integrated connector panel
- Simulink-programmable Xilinx Kintex-7 FPGA with purchase of additional software suites
- I/O functionality for E-motor control with purchase of RTI\_EMU blockset, interface for Ethernet and CAN bus (with purchase of additional blocksets)



[MicroLabBox](#)