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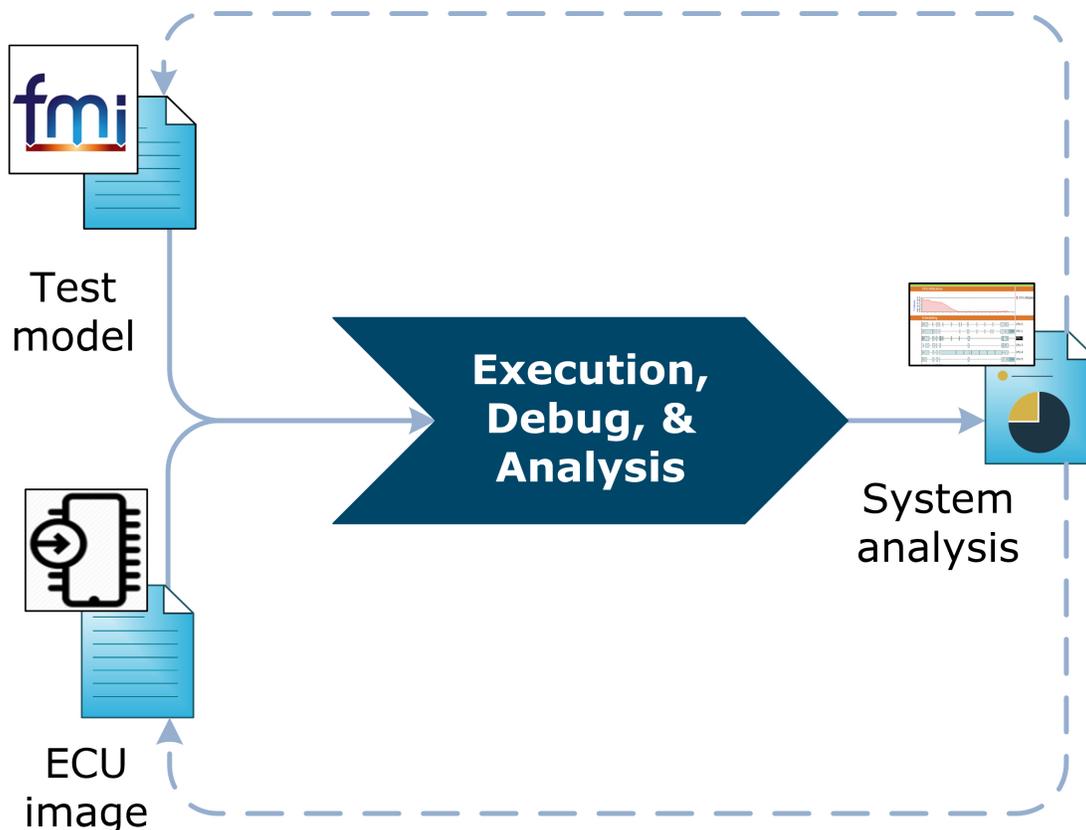
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AUTOMOTIVE TESTING & COMPLIANCE FEATURE

Achieving Effective Verification and Validation of Vehicle E/E Systems ? Part 5

This is the fifth and final installment in a series of articles addressing engineering challenges and opportunities associated with the verification and validation of autonomous and semi-autonomous vehicles.

[Read more](#)



AUTOMOTIVE DEVELOPMENT NEWS

3Ccar Intends to Enhance Reliability and Robustness in Highly-Automated Vehicles

3Ccar developed a new system approach that reorganizes vehicle architecture into what are known as vehicle domains. These domains enable functional and task-oriented coordination. It reduces complexity despite growing requirements, significantly simplifying the development of autonomous electric

vehicles.

[Read more](#)

AUTOMOTIVE SECURITY NEWS

ELTEC Elektronik Allows Secure Browsing in Automotive Applications

ELTEC Elektronik has supplemented its family of wireless LTE routers with the CyBox RT 2-A, which combines a wireless router, access point and integrated switch in a small, albeit robust, frame.

[Read more](#)

AUTOMOTIVE NAVIGATION NEWS

NXP and VW Showcase Ultra-Wideband (UWB) Technology Potential

NXP Semiconductors has been working with Volkswagen on a concept car to explore the capabilities of Ultra-Wideband (UWB) technology to enhance security, safety and convenience in automobiles.

[Read more](#)

AUTOMOTIVE NETWORKING NEWS

Diodes Inc.'s Latest Crystals Handle Automotive Applications

Diodes Incorporated introduced a series of automotive-compliant timekeeping crystals that can withstand harsh operating conditions such as in tire-pressure monitoring systems (TPMS), infotainment, telematics, and advanced driver assistance systems (ADAS).

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AUTOMOTIVE IoT NEWS

Excelfore to Deploy the eSync In-Vehicle OTA Platform

Excelfore has deployed its eSync automotive over-the-air (OTA) update platform in cars from Chinese automotive manufacturer FAW.

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ADAS NEWS

Designated Driver Offers Teleoperation Technology for Texas A&M Self-Driving Shuttles

Texas A&M University added Designated Driver's teleoperation technology to its autonomous shuttles, which is the first commercial deployment on public roads. The company will offer guidance to the shuttles remotely while they're running in downtown Bryan, Texas.

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WEBCAST

Developing Safe and Secure Autonomous Vehicles Across Industries

Sponsored by: **Ansys**

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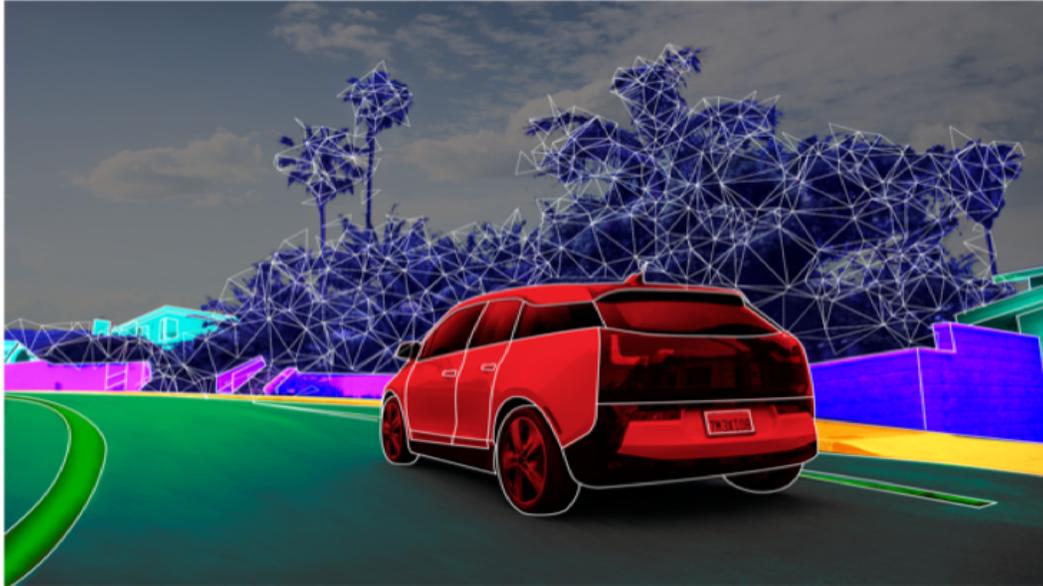
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AUTOMOTIVE VISION FEATURE

Robotics Vision Processing: Object Detection and Tracking

Developing visual analysis logic involves implementing solutions that can determine the orientation of objects, deal with moving objects, and perform navigation. The foundation for this starts with two important tasks: data preprocessing and feature detection and extraction.

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