

# SAE ™ RESEARCH REPORTS

**Inform strategy.  
Explore critical advancements.  
Get an edge.**

New from SAE International, SAE EDGE™ Research Reports examine some of the most significant, emerging topics in mobility engineering. Each report is designed to identify critical issues in need of resolution and stimulate further discussion and research around needed frameworks, practices, and protocols.

## **Providing a framework for thinking through emerging topics**

In SAE surveys, engineers consistently cite the need for resources geared toward directing and prioritizing future research. Amidst new and advancing technologies in mobility engineering, SAE EDGE™ Research Reports help engineers sort through challenges and chart a path forward.

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Benefit from the widest possible variety of perspectives. Each SAE EDGE™ Research Report provides helpful suggestions about avenues of investigation from a broad knowledge base of subject-matter experts across industry, academia, and government.

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SAE EDGE™ Research Reports consider unsettled topics that pose key challenges in areas such as vehicle automation, electrification, unmanned aircraft, IoT and connectivity, cybersecurity, advanced propulsion, and advanced manufacturing.

## **Promoting Discussion**

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# NOW AVAILABLE

## *Unsettled Topics Concerning Sensors for Automated Road Vehicles*



## SAE EDGE™ Research Reports

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Automated Vehicle Test and Verification  
Automated Vehicles, HD Maps  
Automated Vehicles/Artificial Intelligence  
Automated, Electrified, and Connected Mobility  
Autonomous Delivery Robots  
Autonomous Vehicle Public Perception  
Connected Vehicles, 5G  
Connected Vehicles/Cybersecurity  
Connected Vehicles/DSRC v. Cellular  
Connected Vehicles/IoT and Connectivity  
Electric Vehicles/Auxiliary Range Extenders  
Electric Vehicles/Battery Testing  
Electric Vehicles/Charging Infrastructure  
Electric Vehicles/Energy Storage  
Electric Vehicles/Resources Needed  
(rare earth, lithium, GaN/SiC, etc.)  
Hybrid and Electric Vehicles  
Sensors and Sensor Fusion  
Virtual Testing and Simulations

### Aerospace:

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Advanced Manufacturing/Digital Twins and Advanced Manufacturing/Industrial Internet of Things (IIoT)  
Advanced Manufacturing/Materials Science  
Advanced Propulsion/Space Launch and Thrust  
Advanced Propulsion/Supersonic and Hypersonic, Hybrid Electric  
Aircraft Electrification, Automation, and Connectivity  
Automated Systems and Autonomous Aircraft  
Automated Vehicles/Unmanned Aircraft  
Connected Vehicles/5G, Cybersecurity  
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