

# SAE MOBILUS™

Your destination for mobility  
engineering resources



# INFORMATION DRIVES INNOVATION.

The most up-to-date technical data and historical research spark new ideas, inspire creative solutions and advance novel technologies. Gain access to the best resources available in the automotive, aerospace and commercial vehicle industries through the SAE MOBILUS platform, your centralized information solution.

Offering the most comprehensive collection of mobility engineering technical standards and publications, the SAE MOBILUS platform holds more than 200,000 current and historical documents. The wealth of information on this platform connects industry experts - engineers, researchers and academics alike - to advance vehicle technology and system knowledge worldwide.

Explore the SAE MOBILUS platform - your destination for highly relevant content and enhanced collaboration tools, accessible with targeted search functionality and a streamlined user interface. You'll discover many benefits from this important work flow tool that provides industry research, innovation and best practices to propel individuals and organizations forward.

## **SOLVE ENGINEERING CHALLENGES WITH THE SAE MOBILUS PLATFORM**

For engineers in the automotive, aerospace and commercial vehicle industries, a subscription to the SAE MOBILUS platform is the most cost-effective way to access comprehensive current and historical content from SAE International and other renowned organizations.

### ***Where can you find a reliable knowledge source to access industry standards and best practices to maintain regulatory compliance?***

The SAE MOBILUS platform provides easy access to the most up-to-date standards in one convenient location, saving engineers countless hours of research. One subscription gives multiple engineers throughout your company individual access to shared resources, promoting increased productivity and compliance with the latest standards while encouraging innovations in design.

### ***How can a digital library like the SAE MOBILUS platform promote efficiency and cost savings?***

Subscribing to content on this user-focused platform saves companies time and money by providing 24/7 individual access to critical information in any office and in any country. This global connectivity ensures that employees are utilizing the most current technical information and helps to avoid problematic situations such as designing and testing to the wrong specifications. On-demand access to standards and research improves efficiency and promotes collaboration. And, by housing updated standards and current technical documents in a single location, duplicate and/or outdated copies are eliminated.

## **WHAT CAN THE SAE MOBILUS PLATFORM DO FOR YOU?**

Engineers spend 13 % more time searching for information today than in 2002 (Jones, 2013). Your time is valuable, and you need a reliable, relevant and accessible library database to connect you to the right content and resources whenever and wherever you need them. Developed for engineers, by engineers, the SAE MOBILUS platform is a trusted source of leading industry information and home to the greatest breadth and depth of mobility engineering subject matter.

- Explore and discover dependable, up-to-date, high quality technical content.
- Gain insight into historical and evolving research efforts.
- Access credible technical findings - all peer-reviewed by at least three technical experts.
- Acquire and share data to support engineering innovations.
- Review detailed explanations of technologies and processes.
- Examine technical standards for requirements and practices in safety, reliability and quality.
- Learn about new ideas and break-through technologies, and keep your skills current.
- Impact new product development by investigating the latest design trends and technologies.
- Manage - and more effectively apply - vast amounts of mobility knowledge.
- Eliminate paper, and optimize current resources.

Corporate libraries like the SAE MOBILUS platform are a technical information solution with a significant Return on Investment. In its 2007 study on corporate, government and medical libraries, Outsell found that the average time saved for users was nine hours per library visit/interaction. And, the use of corporate library resources and services saves \$3,107 per use (Lown, 2009). Use this platform to:

- Enrich your daily work.
- Provide sound findings.
- Enhance current design.
- Improve project quality.
- Increase revenue.
- Boost productivity.
- Save time and money.

## RELY ON THE ROBUST CONTENT OF THE SAE MOBILUS PLATFORM

Your work is only as good as your sources. SAE MOBILUS links you to mobility engineering resources that will help you develop solutions to today's most complex mobility engineering challenges. Connect to the research that supports your current work through targeted searches of the more than 200,000 technical standards and papers, as well as magazines, books and historical documents, stored in one centralized location.

### Standards

Gain insight into standards that support ever-safer, cleaner and more efficient transportation worldwide, and explore the evolution of general technology trends and patterns over time. The technical standards housed on the SAE MOBILUS platform are internationally recognized as the best scientific data available to globally impact processes, practices and products that promote the advancement of technology and direct the future of regulation and business in the mobility industry.

- *SAE Ground Vehicle Standards (J-Reports)*
- *Aerospace Material Specifications (AMS)*
- *Aerospace Standards (AS)*
- *Historical Standards*

### Technical Papers

Explore the research in more than 100,000 technical papers within the SAE MOBILUS platform to foster knowledge, encourage collaboration and inspire new ideas. Each year, SAE publishes more than 2,000 technical papers written by inventive individuals who are researching and developing ground-breaking solutions in the aerospace, automotive and commercial vehicle industries. Peer-reviewed by at least three technical experts to ensure long-term reference value, high-quality data and sound conclusions, about 30 percent of these essential resources undergo additional review to achieve the highest level of distinction - publication in one of SAE's subject-specific scholarly journals.

### Scholarly Journals

Improve the quality of current projects, innovate design, determine methodology and increase productivity, all while saving time and financial resources, with SAE's scholarly journals. The definitive collection of the year's research, the journals on the platform include test results, comparative studies and methods, best practices, case studies and more. These journals have established the highest industry and academic credibility through trusted reporting on the technologies most relevant to your work:

- *SAE International Journal of Aerospace*
- *SAE International Journal of Commercial Vehicles*
- *SAE International Journal of Engines*
- *SAE International Journal of Fuels and Lubricants*
- *SAE International Journal of Materials and Manufacturing*

- *SAE International Journal of Passenger Cars - Mechanical Systems*
- *SAE International Journal of Passenger Cars - Electronic and Electrical Systems*
- *SAE International Journal of Alternative Powertrains*
- *SAE International Journal of Transportation Safety*

### Magazines

Access thousands of magazine articles featuring the highest quality content on today's technical topics - in addition to 100 years of reference material - with a subscription to the SAE MOBILUS magazine library. New ideas, thought-provoking interviews and break-through technologies coming to the marketplace are featured in 50 issues automatically added each year. Review up-to-date news on technological innovations, design trends, new products, research developments and business practices in mobility worldwide:

- *Automotive Engineering*
- *SAE Off-Highway Engineering* (commercial vehicles)
- *Aerospace & Defense Technology*
- *Automotive Design* (for the European market)
- *Mobility Engineering* (joint publication of SAE and SAEINDIA)

### Books

Connect to accurate, timely resources, including detailed explanations of technologies and processes that position today's engineers to become tomorrow's industry leaders, with SAE books. Written by top industry experts, these books feature accurate, detailed information on both traditional and emerging technologies, from powertrains, propulsion, engines, environment, design, materials and avionics to alternative powertrains, electric motors and integrated vehicle health management. The SAE MOBILUS platform allows you to choose from single titles, technology bundles or the entire collection:

- Aeronautics and Commercial Aviation
- Brakes
- Composite Materials Handbook
- Electronics
- Engine Testing
- Engine & Powertrain Systems
- Fundamentals
- Hybrid and Electric Vehicles
- Lightweighting and Advanced Performance Materials
- Safety
- Vehicle Dynamics and Chassis

## WHY SUBSCRIBE TO THE SAE MOBILUS PLATFORM?

You need a trusted source of industry information to provide the right content, in the right place, at the right time. Choose the SAE MOBILUS online library as your technical information solution.

For more than a century, SAE International has been at the forefront advancing automotive, aerospace and commercial vehicles across the globe. The SAE MOBILUS platform offers a comprehensive collection of mobility engineering content and chronicles technology, design, research and industry trends. Advance your work with the SAE MOBILUS platform.

### References:

- Lown, C. & Davis, H. (2009, April 1). Are you worth it? What Return on Investment can and can't tell you about your library. In the Library with the Leadpipe. February 24, 2016, from <http://www.inthelibrarywiththeleadpipe.org/2009/are-you-worth-it-what-return-on-investment/>
- Jones, Jeanette. "Various Survey Statistics: Workers Spend Too Much Time Searching for Information." Cottrill Research RSS 092. 8 Nov. 2013. Web. 10 Mar. 2016.

### Contact us today!

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