

## SAE International - Fact Sheet

- SAE International is a global association of more than 127,000 engineers and related technical experts in the automotive, aerospace and commercial-vehicle industries with members in more than 98 countries throughout the world.
- SAE International was founded in 1905. Some of its early, famous members included: Orville Wright, Glenn Curtiss, Charles Lindbergh, Boss Kettering, Henry Ford and Jimmy Doolittle.
- SAE has 82 sections and international groups.
- SAE support more than 400 collegiate student chapters.
- SAE's vast network of volunteers is 50,000 strong donating their expertise to develop standards, write books, create technical meeting programs, mentor young professionals...to advance the mobility industry.
- Technical standards set expectations for vehicle safety, reliability, and quality while helping companies reduce their costs, increase productivity, and advance new technologies. SAE's standards repository totals nearly 35,000 documents - of which 11,000 are active and 24,000 historical dating back to the early 1900s.
- SAE has 700 standards development technical committees and 17,000 technical professional volunteers from countries around the world. They serve every aspect of industry from vehicle design and integration to build, manufacture, operate, and maintain; and they address critical issues on everything from fuel to weather conditions, materials to electronics, engine power to energy mandates.

- SAE's Ground Vehicle Standards repository includes 2,500 global standards for the automotive, construction and agricultural equipment, heavy trucks, buses and specialty-vehicle industries. More than 350 technical committees and 7,000 voluntary industry participants from 43 countries provide data for the development of standards that comply with the World Trade Organization's guidelines.
- SAE's Aerospace Standards repository includes nearly 8,500 documents. Its 350 committees are comprised of 10,000 experts from 56 countries. They represent industry (airframers, suppliers, operators, MROs), regulatory authorities, military agencies, researchers, and consultants. Document development serves the full spectrum of aerospace businesses in both the commercial and military sectors thereby meeting the engineering, advanced technology, safety, regulatory, and defense needs of a world market.
- SAE organizes and/or administers more than 27 international meetings and exhibitions each year covering all aspects of technology related to design, manufacture, and service lifecycle for automotive, aerospace, off-highway, and other related mobility industries. These events draw 30,000 individuals from more than 50 countries around the world each year.
- SAE's Collegiate Design Series includes Aero Design, Clean Snowmobile Challenge, Formula Hybrid, Formula SAE, Baja SAE and Supermileage. 8,000 students per year compete in US-based competitions with events held in numerous other countries as well. Over 100,000 engineers are alumni of the CDS programs.
- SAE Professional Development portfolio includes structured learning/certification programs and credentials for industry applicable, real-world learning supports career development. SAE offers more than 200 classroom courses, 35 web seminar titles, and multiple on-demand classes are developed/taught by over 130 instructors and recognized industry experts and are attended annually by 4,000 technical professionals.

- SAE offers one of the world's largest repository of mobility engineering information with the most up-to-date information available on the latest engineering and technology news and trends for automotive, aerospace, truck and bus, and off-highway vehicles can be accessed whenever and however it is needed.
  - SAE produces 2,800-3,800 technical papers and 600-1,000 technical standards annually.
  - SAE's book collection totals more than 140 titles on engines, safety, electronics, materials, emissions and more.
  - SAE publishes seven large-circulation magazines and nine content-specific scholarly journals.
  - SAE offers various comprehensive web databases.
- The SAE Foundation funds programs targeted toward aspiring engineers and offers a full continuum of K-16 education opportunities in support of Science, technology, engineering and math (STEM).

Corporate and individual gifts to the Foundation support such SAE initiatives as:

- A World In Motion®, an award-winning program that brings real engineers into classrooms to assist K-12 students with hands-on learning;
- FI in Schools, which spurs interest in engineering as it develops high school students' marketing, project management, problem-solving and presentation skills; and
- Collegiate Design Series, a popular program and winner of the National Science Foundation's Public Service Award that enables university students to apply classroom theory by designing and building vehicles ranging from hybrid cars to model aircraft.
- The SAE Foundation funds 50 awards programs, 15 scholarships. Nearly 150 aspiring engineers benefit annually.