

## Transportation by Land, Sea, Air and Space

One of the goals of any society is to ensure its citizens are afforded the opportunity to use transportation systems that are safe to both the operator and those who interact with the vehicle. This pertains not only to vehicles but also the interaction of the vehicles with the infrastructures built to accommodate and serve the vehicles, whether they are automobiles, trucks, off-road vehicles, personal watercraft, aircraft or spacecraft. Today there are many challenges related to safety facing the transportation sector.

### These include:

- Ageing population that will operate personal vehicles.
- Integration of electronic systems replacing mechanical systems.
- Reducing driver or operator distraction from external media.
- Balancing need for greater operational efficiency and safety implications.
- Need to reduce impaired driver/operator involvement.
- Ageing air traffic control infrastructure

### What SAE International Can Offer:

SAE International is a non-biased global source of technical information that can be used by government decision makers as part of the process when formulating legislation or regulations related to safety issues in all forms of transportation. The information comes in many forms including peer-reviewed technical papers, workshop or symposia findings, technical standards, cooperative research studies, etc. The sources of the information include the best and brightest individuals from the private sector, academia and government both in the U.S. and throughout the world.

### Examples include:

- SAE International develops more global aerospace standards used by the FAA and DoD than any other organization. These pertain to aircraft safety for design, maintenance and operations.
- SAE International is working with NHTSA, industry and consumer groups to develop solutions for the interaction of electric or hybrid electric vehicles with pedestrians.
- SAE International will soon publish a new standard for automotive keyless ignition systems.
- SAE International, in cooperation with both NTSB and NHTSA, has conducted three symposia devoted to electronic data recorders (EDR) for both automotive and aircraft applications. Another EDR symposia will be conducted in 2011.
- SAE's Vehicle Event Data Interface (VEDI) standards committee is working toward new standards for automotive EDRs.
- SAE International works with other standards developing organizations and governmental bodies throughout the world to work toward harmonization of standards related to safety systems.
- SAE's Truck & Bus Council recently published standard "J2848/1 – Tire Pressure Monitoring Systems – For Medium and Heavy Duty Trucks."

### Contact Us:

To explore SAE's technical information, whether it is technical papers, standards, and/or SAE Fellows who are industry experts related to automotive, commercial vehicle or aerospace safety issues, please contact the following:

#### **Automotive or Commercial Vehicle**

Tim Mellon ▪ tim@sae.org ▪ 202.434.8944

#### **Aerospace**

Bruce Mahone ▪ bmahone@sae.org ▪ 202.434.8943