CALL FOR PAPERS

2016 Commercial Vehicle Engineering Congress
October 4-6, 2016
Donald E. Stephens Convention Center, Rosemont, Illinois, USA
www.sae.org/events/cve/

Commercial Vehicle Activity is looking to you. Become a bigger part of the technical community by contributing to the mobility industry’s body of technical knowledge.


We are asking for you to share your time and talent to write a paper and / or give a presentation.

Benefits of Authorship*
- Expand your professional experience and influence by demonstrating subject matter knowledge and expertise to mobility practitioners throughout the world.
- Connect with subject matter experts in the mobility industry to expand business opportunities.
- Be a conduit for discussion on further advancements in mobility automotive Electronics, Safety, Powertrain, Materials, Emissions and Propulsion.
- Discuss successes and problems encountered during research with your peers who may have similar experiences and lessons learned to share.
- Your technical paper could be selected for SAE Journals—collecting our best technical papers in online and print issues throughout the year, increasing eligibility of inclusion into scientific indexes

Benefits of Being a Manuscript Reviewer*
- Expand your technical knowledge by reviewing manuscripts and achieving prior awareness of the latest technologies and practices coming to the mobility industry.
- Demonstrate your subject matter expertise to the organizers developing technical sessions.
- Become a bigger part of the technical community by contributing to the mobility industry’s body of technical knowledge.
- Connect with other subject matter experts in the mobility industry to expand business opportunities.

*SAE Members who author or review technical manuscripts can attend COMVEC for a reduced fee.

Call For Reviewers
SAE International is also seeking help from experts willing to volunteer their time and technical acumen to review technical manuscripts for the Technical Sessions.
Topics Under Consideration

**AERODYNAMICS:**
- Drag reduction (vehicles, components, simulation and results)
- Drag Assessment Workshop
- Experimental and Computational Reynolds Number Modeling
- Aerodynamic Assessment for Green House Gas, SmartWay and Other Legislation
- Cooling and thermal flows (internal, external)
- Computational Fluid Dynamics (methods, pre and post processing, BL models)
- Transient and interfering flows (cross wind, traffic, platooning, flow separation)
- Vehicle and component design (simulation and testing)
- Flow control: active and passive (simulation and testing)
- Boundary layer transition and control (simulation, testing, modeling)
- Aerodynamic and performance evaluations (method development and results, wind tunnel, track and other)

**CHASSIS DESIGN AND VEHICLE DYNAMICS**
- New Designs for Medium and Heavy Duty Trucks
- Modeling, Simulations, and Validation Studies
- Durability and Life Testing
- Vibration Isolation Techniques
- Tire and Track Modeling
- Vehicle Dynamics and Control

**DRIVETRAINS, POWERTRAINS and TRANSMISSIONS**
- Alternative Fuels and Propulsion Systems (including EVs, Fuel Cells, Hybrids, Natural Gas, etc.)
- Fuel Economy Improvements and CO2 Reductions
- Mechanical Systems
- Thermal Systems
- Exhaust Aftertreatment and Integration
- Fuel and Fluid Systems Hybrids
- Powertrain Performance, Emissions and Controls

**FLUID POWER SYSTEMS**
- New Systems, including Hydraulic Hybrids
- New components and systems
- Modeling, simulation, validation
- Hydraulic hybrid vehicles
- Electrohydraulics and controls

**ELECTRONICS**
- Autonomous Vehicles
- Computer Vision and Radar Technologies
- Telematics and On-board Recording (EOBR)
- Model Based Software Development
- Vehicle Networks and Communication (including In Vehicle, V2V and V2I)

**SAFETY**
- Active Safety (including Advanced Driver Assistance Systems-ADAS)
- Cyber Security
- Functional Safety
- Passive Safety

**TOTAL VEHICLE CONCEPTS**
- Cost Reductions and Quality Improvements
- Ergonomics
- Reliability, Durability
- Lightweighting
- Maintenance
- Diagnostics and Serviceability
- Sustainability
- Energy Efficient Systems in Manufacturing and End-of-Life
- Prognostics
- Alternative Energy Sources for Sustainable Developments in the CV Sector

**ATTENTION STUDENTS!**
Student Paper Competition
Sponsored by AVL

- 1st Place = $500
- 2nd Place = $350
- 3rd Place = $150

For questions contact:
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Abstracts must be submitted online via website page to only ONE session. Upon submission, you will receive an automatic reply with your paper offer number. If you do not receive a paper offer number at that point, please retry on-line submission or brandie.schandelmeier@sae.org. Offered papers shall not have been previously published; and if accepted, contributors will not release their paper for publication through other media.

The following information will be required during the on-line submission process:
1. A summary that states the objective of the paper/presentation
2. Tentative title
3. Name of the author and co-authors and all contact information
4. Selection of the most appropriate technical session

- Paper acceptance will be based on organizer moderated peer review of a review ready manuscript.
- Refer to the author resources site at http://volunteers.sae.org/authors.htm for other useful information in preparing your paper.
- Portal for submission of abstracts will be open on October 19, 2015
- Deadline for submitting paper offers March 7, 2016 (extended deadline)
- Review Ready Manuscripts due to session organizers April 12, 2016
- Final Manuscripts and copyright assignments due to SAE August 2, 2016

Author resources
The following SAE web sites provide useful information to assist you in submission of your materials:

General Author resources page
http://volunteers.sae.org/authors.htm

How to Write an SAE International Technical Paper
http://volunteers.sae.org/authors/sae_tech_paper.pdf

Offered papers shall not have been published elsewhere; and if accepted, contributors will not release their paper for publication through other media. Abstracts should be submitted on-line. Upon submission, you will receive an automatic reply with your tracking number.

Paper acceptance will be based on organizer-moderated peer review of a review ready manuscript.

About Our Journals
SAE International’s scholarly journals report and archive state-of-the-art research findings obtained through journal Calls for Papers as well as our renowned SAE events. Our nine content-specific journals cover all areas relevant to ground vehicle and aerospace engineering technology, published online and hosted by Highwire Press.

Each journal aims to serve the needs of academic and industry authors, researchers, and readers in a medium tailored for the discovery, integration, and application of research. In addition to being identified as some of the best published work at SAE International, these papers advance self-propelled vehicle and system knowledge in a neutral forum for the benefit of society.

Reviewer Resources
If you are interested in becoming a paper reviewer, guidance and judgement information is provided here http://volunteers.sae.org/reviewers.htm