



Call for Papers

SAE International Journal of Commercial Vehicles

SAE COMVEC – Written-Only Papers & On Demand Presentations

Submissions are being solicited for a special issue of *SAE International Journal of Commercial Vehicles* and SAE COMVEC 2022. Authors are invited to submit complete manuscripts to either the journal special issue or to the event (see below for submission links). Upon submission, the review process will begin, and comments by qualified reviewers, session organizers, and editors will be offered for the improvement of papers or a decision for rejection or moving the paper from journal to written-only papers.

A new feature of the 2022 SAE COMVEC will be access to On Demand written-only paper content. Accepted papers will be for publication only, and a pre-recorded mp4 file will be requested to provide to COMVEC attendees. These mp4 files will be featured as the On Demand content.

NOTE: Journal submissions and written-only submissions are not guaranteed a speaker/presentation slot at COMVEC 2022.

Topics of major interest include:

Aerodynamics:

- Understanding and Controlling the Operational Aspects of Aerodynamics (macro/micro levels)
- Safer Aerodynamics (smart systems, boundary layer control, lift augmentation and energy generation)
- The Organic Truck (next generation of aerodynamics)
- 2050 Hypo-drag levels (impact to industry, economy, and environment)

Chassis Design and Vehicle Dynamics:

- Brakes, Chassis and Suspension Controls
- Durability and Life Testing
- Leveraging Data and Analytics for Decision Making
- Methods for Validation of Models and Tests
- On- and Off-Road Vehicle Dynamics and Control
- Reliability Analysis and Uncertainty Quantification
- Robust Analysis and Design
- Tire Modeling and Parameterization for Vehicle System Simulations
- Vehicle Performance
- Vibration Isolation Techniques

Powertrain:

- Alternative Fuels and Propulsion Systems (including EVs, Fuel Cells, Hydrogen, Hybrids, Natural Gas, others)
- Electrified Powertrains
- Exhaust Aftertreatment and Integration
- Fuel and Fluid Systems Hybrids
- Fuel Economy Improvements and CO2 Reductions

- Mechanical and Thermal Systems
- OBD
- Powertrain Performance, Emissions and Controls

Total Vehicle Mechatronics and Integration:

- ADAS / Automated Vehicles
- Artificial Intelligence and Machine Learning
- Connected Vehicles / Platooning
- Cybersecurity

Important Deadlines:

- Review ready manuscripts due: March 31, 2022
- Pre-recorded mp4 files due for approved papers: August 10, 2022

Submission Links:

Journal CFP Submission through [Editorial Manager®](#)

Written Only Paper for On Demand Presentation - [SAE COMVEC CFP Submission Link to MTZ](#)

Questions:

SAE Journal Call for papers

Jonathan Neu

managingeditor@sae.org

COMVEC Call for papers

Brandie Schandelmeier

brandie.schandelmeier@sae.org