Call for Reviewers

The *SAE International Journal of Connected and Automated Vehicles* is accepting applications for the position of reviewer for the following topics:

### Technologies

- Active perception architectures and implementations (radar, vision, lidar) for CAVs
- Sensors, sensor fusion (infrastructure and vehicle-based) for CAVs
- Vehicle design, analysis, and control enhancements for CAVs
- Electrification/vehicle electronics architectures and implementations for CAVs
- Communication architectures and implementations (V2x) for CAVs
- Real-time computational paradigms and architectures (AI, model-based) for CAVs
- Novel actuation paradigms (structural control, reconfigurable systems) for CAVs

### Human-in-the-loop Element

- Active vehicle safety architectures (occupant, pedestrian)
- Human machine interaction design (driver- and controller-interfaces)
- Varying grades of driver-assistance systems
- Psycho-social facets of shared control (trust, variability)

### Cyber-enabled System Capabilities

- Big data analysis, cloud computing architectures
- Vehicle navigation and situational awareness
- Fault detection and diagnosis, fault tolerant control
- Cybersecurity and cyber-enhanced security
- Active- and semi-active connected and automated vehicle control (adaptive, fuzzy, cooperative, neuro, emergent paradigms)
- Hybrid simulation- and empirical-testing paradigms (model-in-the-loop, hardware-in-the-loop)

### Subsystem and System Engineering Frameworks

- Automated Guided Vehicles (AGVs)
- Multi-vehicle cooperation, connected vehicles, platooning
- Platooning and fleet management
- Reproducible testing and validation architectures and paradigms
- Noise, network failure, faults, reliability analysis
- Application use cases (warehousing, x-docking, mining, agriculture, military)

### Duties

1. Read the manuscript thoroughly.
2. Make comments and critiques about the research. Reviews without comments are unacceptable.
3. Make suggestions for improvement.
4. Submit the review with a rating in the areas requested in the system and a recommendation for rejection, revision, or acceptance.

### Requirements

Becoming a reviewer requires proficient knowledge in the subject area and the ability to provide constructive criticism to the author and editors. SAE does require previous experience as a peer reviewer or completion of the Publons Academy training course or another appropriate training course. The most important requirement for being a reviewer is that you can devote enough time to give a professional and useful review within the time frame given, usually within one month maximum from the date of accepting the review assignment.

### Interested?

If you are interested in being included as a reviewer, please contact managingeditor@sae.org and include a brief CV (three-page max) that includes recent publications.