



## **Electric Vehicles and Engine & Drivetrain: Call for Abstracts**

We would like to invite you to present your work related to the tribology challenges for hybrid, electric, and other forms of sustainable mobilities during our 2027 Annual Meeting. Traditional Engine and Drivetrain topics are also welcomed.

Topics include, but are not limited to:

- Hybrid and electric vehicle powertrain, driveline and component tribology
- Hydrogen combustion
- Fluid properties and performance
- Cooling requirements and performance
- Rolling element bearing performance and lubrication
- Challenges for grease lubrication
- Impact of EV duty cycles on system and component performance and tribology
- Impact of electric fields on lubrication and tribology
- Tribology of tires and braking systems
- Novel testing for EV applications and fluid evaluation
- Non-driveline tribology (e.g. noise related issues with vehicle parts and components)
- Effects of novel materials, coatings, and surface texture on friction reduction and wear
- Novel additives and formulations for engine oils, axle, gear, and transmission fluids - and their effects on engine/drivetrain performance
- Advances in lubricants and materials for vehicle fuel efficiency
- Wear mechanisms
- Characterization of tribofilms and deposits
- Tribological results from vehicle testing, motored or fired engine testing for on- and off-road engines, component rig tests, laboratory bench tests, etc.
- Engine diagnostics as related to lubrication, friction and wear
- Effects of lubricants on engine after-treatment systems

For more information and to submit your abstract, visit [www.stle.org/annualmeeting](http://www.stle.org/annualmeeting).