



Engine and Drivetrain Technical Committee

Call for Papers

Dear friends and colleagues,

The STLE 75th Annual Meeting will be held from May 3-7, 2020 at the Hyatt Regency in downtown Chicago, IL. We would like to invite you to present your work at a session dedicated to the tribology challenges for hybrid and electric vehicles.

Following the successful program last year, we are organizing a special session dedicated to electric vehicle tribology. Our goal is to highlight the emerging tribology challenges related to vehicle electrification and foster innovation in this rapidly changing field. We are inviting wide-ranging contributions that include, but are not limited to:

- Hybrid and electric vehicle powertrain, driveline and component tribology
- 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)

Interested authors can submit abstracts through STLE: <https://stle2020.abstractcentral.com/>

Please submit directly to “Engine & Drive Train Session on Electric Vehicles” when submitting. Abstract submission deadline: **October 1, 2019**.

We look forward to receiving your submissions.

Best regards,

Carlos J. Sanchez, PhD (carlos.sanchez@swri.org)

Southwest Research Institute

Paper Solicitation Chair (PSC) for Engine & Drivetrain committee

Hamed Ghaednia, PhD (hamed.ghaednia@gehring-group.com)

Gehring Technologies

Vice Paper Solicitation Chair (PSC) for Engine & Drivetrain committee