



# 2024 Tribology Exchange Workshop

## 23<sup>rd</sup> – 24<sup>th</sup> October



## “Tribology Aspects of Energy Efficiency”

The 5<sup>th</sup> joint ELGI-STLE Tribology Exchange Workshop will focus on “Tribology Aspects of Energy Efficiency” and will host round table technical discussions with the lecturers in their field of expertise. The well-established format of invited expert talks, ideation events in form of discussion tables, and energising ice breakers will give the attendees valuable in depth networking and technical knowledge

### Confirmed speakers:

Fabrice Ville	LaMCoS Insa Lyon
Marc Ingram	Ingram Tribology
Xavier Borrás	i-Tribomat
Rene Westbroek	Axel Christiernsson
Amaya Igartua	Tekniker
Philipp Sieberg	University Duisburg-Essen
Gareth Fish	Lubrizol
Victor Brizmer	SKF

### Preliminary Presentation Titles:

- Controlling efficiency through understanding boundary, mixed and full film lubrication
- Potential and Challenges in using AI for understanding and predicting sliding wear mechanisms.
- How Tribology can contribute to the development of safe and sustainable lubricants and materials
- Creating a More Sustainable Lubrication by Understanding and Reducing Friction Losses in Grease-Lubricated Electrical Motor Bearings
- Energy Efficient Greases
- Tribological Performance of Conversion Layers for Railway Wheel-End Bearings
- Energy Efficient Lubricants: Is It Just About Low Friction?

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