2025 ELGI Autumn Events

Programme

29th – 30th October 2025

ELGI-STLE Tribology Exchange Workshop

Wednesday 29th October

08:45-09:15 Opening Session

09:15-10:00 **Amir Kadiric,** Imperial College
"Effect of Electric Potentials on Surface Damage in Lubricated Rolling-Sliding Contacts"

10:00-10:45 **Norbert Bader**, University Twente
"Electric Behaviour of Lubricated Contacts, Challenges, and Chances"

10:45-11:30 **Francesc Alomar,** Lubrizol
"Measurement of the Compositional Effect of Lubricating Greases on the Electrical Properties"

11:30-11:45 Break

11:45-12:30 **Gustavo Sabogal**, SKF
"Preliminary Insights on Vertical Shaft Grease Lubricated Bearings"

12:30-13:15 **Rich Baker**, Tribotonic
"New Advances in Test Methods for Electric Vehicles – Keep up with the Electric Revolution"

13:15-14:30 Lunch

14:30-15:15 **Manuel Zuercher**, Schaeffler
"Electrification of Bearings, Basics and Application-Related Developments in the Industry"

15:15-16:00 **Volker Schneider**, IMKT
"Understanding the Impact of Bearing Currents on Rolling Bearing Lifetime: Experimental Insights and an Extended Predictive Model"

16:00-17:00 Round Table Discussion

18:30-19:30 Bowling 20:00 Dinner at Barraca Restaurant

Thursday 30th October

08:45-09:00 Opening Session

09:00-09:45 **Mahdi Mohammad-Pour**, TriboDENS
"Combination of Experimental and Numerical Methods for Understanding Tribology of Electrified Bearings"

09:45-10:30 **Liang Guo**, SKF
"Study on the Electric Discharge Behaviour in EV Motor Bearings"

10:30-10:45 Break

10:45-11:30 **Kartik Pondicherri,** Anton Paar
"Rheology, Electro Rheology, and Electro-Tribology of Lubricating Greases"

11:30-12:15 **Fabrice Ville**, INSA Lyon
"Tribology of Lubricated Mechanisms: A Way to Sustainability"

12:15-13:00 **Morteza Abedini**, University of Duisburg-Essen
"Wear Corrosion Interactions and Material Degradation: An Overview of Tribocorrosion"

13:00-14:15 Round Table Discussion & Sandwich Lunch 14:15 End of Workshop