



Society of Tribologists  
and Lubrication Engineers

# Tribology Exchange Workshop

6<sup>th</sup> - 7<sup>th</sup> November 2019

Marriott Courtyard Schiphol, Amsterdam, Netherlands

## DAY 1

### Tribology Fundamentals

- Fundamentals on EHL Film Formation  
*Amir Kadiric (Imperial College)*
- The Physics of Friction  
*Ian Taylor (Shell)*
- Fundamentals of Bearing Tribology  
*Guillermo Morales (SKF)*

### Mechanical Engineering

- Rotary Lip Seals: a Misaligned Approach  
*F. Xavier Borrás (University of Twente)*
- Bearing Design for Dynamic Operating Conditions  
*Hannes Grillenberger (Schaeffler)*
- Grease Life in Rolling Bearings  
*Piet Lugt (SKF)*

### Material Science

- Material Science Aspects of the Wear of Metallic Materials  
*Alfons Fischer (MPI Eisenforschung)*
- Cage Dynamics in Rolling Bearings by Test and Simulation  
*Sebastian Schwarz (Uni Erlangen)*
- Surface Texturing  
*Vasilios Bakolas (Schaeffler)*

### Round Table Discussion

If you would like to share your experience or have any questions on the above mentioned topics please submit your enquiry to [europa@stle.org](mailto:europa@stle.org)

## DAY 2

### Tribology Testing

- Roller-on-Disk Geometry for Extreme Pressure Gear Oils  
*Mathias Woydt (Matrilib)*
- Food Tribology: Concepts and Experimental Approaches  
*Florian Rummel (Anton Paar)*
- How to Approach a Real World Tribology Problem on Lab Scale  
*Dirk Drees (Falex Tribology)*

### Lubricant Chemistry

- Chemical Approach to Energy Savings in Hydraulic Applications  
*Dmitriy Shakhvorostov (Evonik)*
- Silicone Fluids with Optimised Tribological Behaviour through Molecule Structure Enhancement - a Solution for EV Drivetrains  
*Steffen Botts (Lubevisio)*
- Fretting Wear Tests – Basics, Industrial Relevance and Test Realisation  
*Henrik Buse (Hochschule Mannheim)*

### Application

- Blink of an Eye - a Biotribology Quest Towards Patient Comfort  
*Christian Mathis Ullrich (SuSoS AG)*
- Grease Applications  
*Aleksandra Nevskaya (DDP Specialty Products Germany)*
- Lubricant Challenges in Wind Turbine Applications  
*Olav Hoeger (Shell)*

### Round Table Discussion



For organisational questions:

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