



6<sup>th</sup>–7<sup>th</sup> November 2019  
Courtyard Marriott -Amsterdam



## Programme Tribology Exchange Workshop

### **Wednesday 6<sup>th</sup> November 2019**

#### **08:30-10:00 TRIBOLOGY FUNDAMENTALS**

Philippe Vergne (INSA Lyon)	Fundamentals of EHL film thickness formation and prediction
Ian Taylor (Shell)	The Physics of Friction
Guillermo Morales (SKF)	Fundamentals of Bearing Tribology

10:00-10:30 Coffee

#### **10:30-12:00 MECHANICAL ENGINEERING**

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

12:00-14:00 Lunch

#### **14:00-15:30 MATERIAL SCIENCE**

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

16:00-17:30 Round Table Discussions

19:00 Dinner

### **Thursday 7<sup>th</sup> November 2019**

#### **08:30-10:00 TRIBOLOGY TESTING**

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

10:00-10:30 Coffee

#### **10:30-12:00 LUBRICANT CHEMISTRY**

Michaël Alibert (Evonik)	Chemical Approach to Energy Savings in Hydraulic Applications
Amir Kadiric (Imperial College)	EHL Film Formation and Chemistry of Base Oils
Henrik Buse (Hochschule Mannheim)	Fretting Wear Tests – Basics, Industrial Relevance and Test Realisation

12:00-14:00 Lunch

#### **14:00-15:30 APPLICATIONS**

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

16:00-17:30 Round Table Discussions

Discussion Round Table Topics:

(1) Digital Transformation in Tribology; Deepak Veeregowda (Ducom Instruments Europe)

For Organisational Questions:	For Technical Questions: Workshop Chairmen		
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