



28th–29th October 2021
Marriott Courtyard
Schiphol-Amsterdam



Programme

Tribology Exchange Workshop “Tribology & Sustainability”

Thursday 28th October 2021

08:30-09:00	Opening session	Introduction by Workshop Chairmen	
Friction related Sustainability			
09:00-09:35	Vasilios Bakolas	Schaeffler	A First Approximation of the Global Energy Consumption of Ball Bearings
09:35-10:10	Deepak Veeregowda	Ducom	ELT Test Rigs for e-Grease and e-Fluids
10:10-10:30 Refresher Break			
10:30-11:05	Fabrice Ville	LaMCoS Insa Lyon	Gear Tooth Friction Analyses
11:05-11:40	Arnaud Ruellan	SKF	Reconditioning Lubricating Oils: The Tribological Performance Perspective
11:40-12:15	Marc Ingram	Ingram Tribology	A Simple Efficiency Test for Lubricants using a Tribometer
12:15-13:30 Lunch Break			
13:30-14:05	Florian Rummel	Netzsch	How to attract and connect young tribologists in Europe
14:05-14:40	Joe Kaperick	Afton Chemical	Possibilities of Base Oils and Additives to reduce Friction
14:40-15:00 Refresher Break			
15:00-16:30 Round Table Discussions: Participants can post their suggestions for table topics upfront and/or are invited to host one of the tables. Topics should be around themes from today's presentations.			
19:30 Team Dinner Event: Restaurant Barraca			

Friday 29th October 2021

Materials related Sustainability			
08:30-09:05	Mathias Woydt	Matrilub	Material Efficiency through Wear Protection – The Contribution of Tribology for Reducing CO ₂ Emissions
09:05-09:40	Dirk Drees	Falex	New Metrological Challenges Arising from Sustainability on Tribometry
09:40-10:15	Ian Taylor	University of Central Lancashire	Review of Fuel-Lubricant Interactions
10:15-10:30 Refresher Break			
10:30-11:05	Stefanie Hanke	University Duisburg-Essen	Effect of Microstructure and Surface State on Sliding Wear and Cavitation Erosion Resistance of Metals
11:05-11:40	Mathias Woydt	Matrilub	Importance of Electrical Properties in Tribometry
11:40-12:15	Ravindrakumar Bactavatchalou	Freundenberg	Sealing and Tribology
12:15-13:30 Lunch Break			
13:30-13:50 Refresher Break			
13:50-15:00 Round Table Discussions: Participants can post their suggestions for table topics upfront and/or are invited to host one of the tables. Topics should be around themes from today's presentations.			
15:00-15:30 wrap up: Discussion with workshop chairmen on outcome; suggestions etc.			

For Organisational Questions:	For Technical Questions: Workshop Chairmen	
Carol Koopman ELGI Hemonylaan 26, 1074 BJ Amsterdam Netherlands T: +31 20 6716 162 E: carol@elgi.demon.nl W: www.elgi.org	Dr. Manfred Jungk MJ Tribology STLE Europe Representative Greater Frankfurt Suburb Office Germany T: +49 6722 500816 E: manfred.jungk@mj-tribology.com W: www.stle.org	Dr. Hannes Grillenberger Schaeffler Technologies AG & Co.KG E: grillhnn@schaeffler.com