

Monday 20-04-2026

Tuesday 21-04-2026

Wednesday 22-04-2026

08:30 – 09:00	Registration and coffee		
09:00 – 09:20	Matthijn de Rooij: Tribology Low Countries	Judith Ooms: Ostend council member	Florian Koenig: Condition monitoring: Acoustic-emission-based monitoring of tribological processes: From lab to ocean tribology systems
09:20 – 09:40	Patrick De Baets: COST 21355 OCT		
09:40 – 10:00	Anna Igual Munoz:Tribocorrosion	Sandra Carvalho: Materials, Surfaces and Coatings	Djordy Van Maele: Correlating Vibration Analysis to the Development of Gear Pitting
10:00 – 10:20			Peyman Havaej: Applying Machine Learning to Thermo-Elastohydrodynamic Lubrication (TEHL) Line Contacts
10:20 – 10:40	Coffee	Coffee	Coffee
10:40 – 11:00	Luis Augusto Rocha: Tribocorrosion in offshore structures: Towards predictive maintenance models	Fatih Bozkurt: Recent Progress in UHMWPE-Based Materials for Seawater Tribological Systems	Atiyeh Adelinia: High-Precision Micro-tribometer for Accurate Pre-sliding and Friction Force Measurement
11:00-11:20	Nuria Espallargas: Tribocorrosion and Multidegradation Behavior of Stainless Steels and coatings for Wave Energy Converters	Liutauras Marcinauskas: Effect of graphite concentration on the tribological properties of plasma sprayed alumina-graphite coatings	Xavier Borrás: i-TRIBOMAT: Building the Global Tribology Data Infrastructure
11:20 – 11:40	Alireza Shadmani: Influence of impact velocity on the cumulative rain erosion damage of polyurethane coatings	Ramin Rahmani: Tribological Effects of Hydrogen Gas Exposure on Metallic Surfaces: Implications for Hydrogen-Powered Ocean Systems	Hamed Eshraghi: Investigation of electrical breakdown events in cylindrical roller bearings
11:40 – 12:00	Ali Günen: Effects of V and Cr–V Additions on the Electrochemical Corrosion Behavior of X120Mn12 Hadfield Steel	Mert Onan: Electrochemical and tribological behavior of highly Cr alloyed steels	Manjunath: Ocean Tribology Test Facility: A Scalable Platform for High-Load Bearing, Gear, Seal and Lubricant Evaluation in Harsh Marine Environments
12:00 – 12:20	Philippe Kempe: Mechanical characterization of paint coatings for marine applications	Ben Xu: A Highly Efficient Bamboo derived Solar-water Evaporator Empowered by Hierarchical Diffusing Interphase	
12:20 – 13:20	Lunch	Lunch	Lunch to go
13:20 – 13:40	Wojciech Litwin: Marine bearings and seals		
13:40 – 14:00			
14:00 – 14:20	Auezhan Amanov: Tribological Performance Improvement of Marine Hydrodynamic Journal Bearings by Surface Modification/Texturing	Lab visits	
14:00 – 14:40	Samiksha Moharana: Environmental Considerations for Greases from an Ocean Tribology Perspective		
14:40 – 15:00	Coffee		
15:00 –15:20	Marc Masen: Tribomechanical assessment of stern tube seals		
15:20 –15:40	Rob Dwyer-Joyce: Piston-Liner Oil Film Measurement in a Marine Diesel Engine		
15:40 –16:00	Shubhang Sharma: Contact pressure evolution in degraded stern tube seals: Effect of lip geometry and local stiffness change		
16:00 –16:20	Aleks Vrcek: The Unknown Biggest Bearing Manufacturer of the World and Challenges	Coffee	
16:20 - 16:40	Coffee	Norbert Bader: Lubricants and lubrication	
16:40 – 17:00	Networking and poster section		
17:00 – 17:20		Amilcar Ramalho: Biolubricants based on epoxidized soybean oil	
17:30 – 17:50	Social Activity: Royal Tour	Gerben Van der Meer: Hydrodynamic Lubrication with Magnetorheological Fluids	
17:50-19:00			
19:00 – 19:30		Conference dinner	
19:30 – 20:00		Poster award ceremony	