

# OTLC 2026 Programme Ocean Tribology at the Low Countries

	Monday 20-04-2026	Tuesday 21-04-2026	Wednesday 22-04-2026
08:30 – 09:00	<b>Registration and coffee</b>	Registration	Registration
09:00 – 09:20	Matthijn de Rooij: Tribology at the 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 OTLC		
09:40 – 10:00	Anna Igual Munoz: Tribocorrosion	Sandra Carvalho (Materials, Surfaces and Coatings): Nanoarchitected coating by HIPIMS-DCMS hybrid system for maritime applications	Djordj 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 break	Coffee break	Coffee break
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	Theo Zacharis: Funding opportunities
11:40 – 12:00	Samiksha Moharana: Environmental Considerations for Greases from an Ocean Tribology Perspective	Mert Onan: Electrochemical and tribological behavior of highly Cr alloyed steels	Lunch to go & Core Group meeting
12:00 – 12:20	Philippe Kemppe: 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 – 12:40	Lunch	Group photo	
12:40 – 13:00		Lunch	
13:00 – 13:20	Lunch	Lunch	
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	Departing at 14:00 via bus from Kursaal-Westhelling 12	
14:20 – 14:40	Amilcar Ramalho: Biolubricants based on epoxidized soybean oil	Visit to Maritime Research Centre	
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	Bus departing back at 16:00	
16:20 – 16:40	Coffee break & Networking & Poster session	Coffee break	
16:40 – 17:00		Norbert Bader: Lubricants and lubrication	
17:00 – 17:20			
17:20 – 17:40	Social Activity: Royal Tour (starting at 1730 in front of Casino Kursaal)	Albano Cavaleiro : Advanced tribological systems for universal lubrication	
17:40 – 18:00		Gerben Van der Meer: Hydrodynamic Lubrication with Magnetorheological Fluids	
18:00 – 19:00			
19:00 – 20:00		Conference dinner	
20:00 – 21:00			

