

Workshop on Challenges in Marine Lubrication & Offshore Maintenance 2025 29-30 April 2025

Venue: [M3, Brinellvägen 64A](#), Royal Institute of Technology (KTH), Stockholm, Sweden

Program at a glance

Day 1, 29-04-2025 (Tuesday)

08:30 – 09:00	Opening and COST network introduction, Patrick de Baets
09:00 - 10:30	Session 1: Challenges in Marine Lubrication <i>Moderators: Matthijn de Rooij and Dieter Fauconnier</i>
	Environment regulations for marine lubricants, <i>Johan Leckner (Axel Christiernsson AB)</i>
	Stern tube bearings lubricated by EAL, <i>Jerzy Kowalski (Gdansk University of Technology, Poland)</i>
	Lubrication solutions for wave energy generation, <i>Juan Zapata (KTH).</i>
	Panel discussion (30 min)
10:30 - 10:45	Coffee Break
10:45 – 12:15	Session 2: Industry Challenges and Solutions <i>Moderators: Suzana Jakovljevic and Ian Sherrington</i>
	Case study: On year of operation in offshore environment, <i>Ross Harnden (Ocean Corpower AB)</i>
	Case study: Inverted Power Plant and Challenges, <i>Stefan Björklund (NoviOcean AB).</i>
	Case study: Blending existing bearing and sealing solutions with new applications and load cases, opportunities and challenges <i>Niklas Lagesson (Minesto AB)</i>
	Panel discussion (30 min)
12:15 - 13:30	Lunch
13:30 - 15:00	Session 3: Monitoring and Diagnostics <i>Moderators: Florian Koenig and Sergei Glavatskih</i>
	Ocean Tribology: Developing Machine Elements as Cyber Physical Systems to Enhance Performance, <i>Ian Sherrington (University of Central Lancashire, UK)</i>
	How can condition monitoring reduce O&M costs for ocean infrastructure? <i>Florian Wirsing, (Aachen University, Germany)</i>
	Condition monitoring and diagnostics for operational systems in ocean environments, <i>Dr. Carlos Llopis, (Siemens Gamesa Renewable Energy)</i>
	Panel discussion (30 min)
15:00 - 15:30	Coffee Break
15:30 - 17:00	Session 4: Bridging the Gap Between Laboratory Testing and Real Ocean Conditions. <i>Moderators: Amilcar Ramalho and Wojciech Litwin</i>
	Fretting or False Brinelling? <i>Roman de la Presilla (KTH)</i>
	Industry inspirations for research <i>Jacek Lubiński (Gdansk University of Technology, Poland)</i>
	Bolt tightening/extension challenges in marine applications <i>Erik Persson (Atlas Copco Industrial Technique)</i>
	Panel discussion (30 min)
19:00	Dinner

Day 2, 30-04-2025 (Wednesday)	
08:30 - 10:00	Session 5: Advanced Materials for Marine Applications Moderator: Nazanin Emami and Nuria Espallargas
	Polymer parts in underwater applications, <i>Gábor Kalácska (Hungarian University of Agriculture and Life Science)</i>
	Tribological evaluation of commercial polymeric bearing materials for wave energy converters, <i>Rahul Kumar (LTU)</i>
	Elastomeric bearing elements for wave energy converters, <i>Rimmie Duraisamy (KTH)</i>
	Panel discussion (30 min)
10:00 - 10:30	Coffee Break
10:30 - 12:00	Session 6: Future Directions
	<ul style="list-style-type: none"> ➤ Workshop outcomes ➤ Collaboration opportunities ➤ Next steps for the Ocean Tribology network
12:00 – 13:00	Lunch
13:00	COST 23155 Management committee meeting
17:00	Closure

Registration Information

- Registration deadline: April 14, 2025.
- Registration link: [here](#)
- Contact: Dr. Samiksha Moharana, mohar@kth.se

Presentation Information

- Each presentation is 20 min
- Queries & Question and answer session can be carried out during the panel discussion after each session