International Organization for the Study of Ropes

OIPEEC Conference 2026

Mark your Calendar

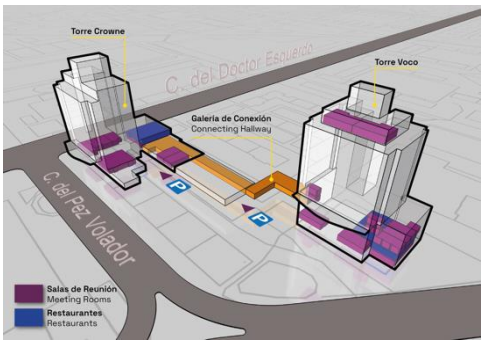
17th - 20th March 2026
Madrid, Spain

Join us for the next
OIPEEC Conference and 32nd General Assembly

The location of the 2026 OIPEEC Conference has been changed from Lisbon, Portugal to Madrid, Spain due to unforeseen contracting issues.

Thank you for your understanding.

We look forward to welcoming you from 17–20 March 2026 at the Crowne Plaza in Madrid. The event will offer an engaging opportunity to exchange ideas, experiences, and innovations related to a wide range of wire and synthetic rope technologies.



Crowne Plaza & voco Centre Retiro

Calle Pez Volador 1-11
28007 Madrid, Spain

Conference will take place in Crowne Plaza, but rooms can be booked at either the Crowne Plaza or voco.

OIPEEC voco

OIPEEC Crowne Plaza

Key dates

Hotel Booking Link	Now Available
Registration	Coming Soon
Finalized program announcement	July 30th 2025
Complete paper submission for review	October 30th 2025

Wednesday, March 18th - Conference, Day 1			
08:30–09:00		General Assembly	
09:00-09:15		**Coffee Break**	
09:15–09:30		Conference Opening	
09:30–09:55	**Session No.1** Fibre ropes in application I — Chairman: Sven Winter	Lankhorst's anti-snapback solution - the development, testing and safe use recommendations	R. Cortez, J. Canedo, L. Haach
09:55–10:20		Tanker mooring line failure trends and analysis	E. Huntley, M. Huntley
10:20–10:45		Fibre rope mooring systems for floating offshore renewable energy platforms	S. Banfield, I. Ridge, B.Yeats, T. Mackey, S. Weller, J. Evans, P. Wang
10:45-11:15		**Coffee Break**	
11:15–11:40	**Session No.2** Modelling and characterization of fibre ropes — Chairwoman: Elizabeth Huntley	Aramid permanent tension mooring of the NextFloat X100 floating wind platform – an experimental and model-based fatigue life assessment	B.Cornelissen, E. Bottema, R. Schuit, M. Durix, C. Dechiron, P. Alcoverro
11:40–12:05		Modelling the residual breaking force curve of different rope types in CBOS-test	C. Müller, M. Helbig, A. Kretschmer, M. Golder
12:05–12:30		Modeling friction in the yarn-on-yarn abrasion test	F. Sloan
12:30-14:00		**Lunch**	
14:00–14:25	**Session No.3** Wire rope drives – modelling and inspection — Chairman: Jean Marc Teissier	A reduced modeling approach for contact stress analysis in rope–pulley systems	I. Pechenizkiy, M. Anders, T. Schmidt
14:25–14:50		Field-driven insights into rope fatigue and lifetime optimisation in shaft hoisting	H. Schultheis, J. Karedan, E. Maher, C. Ruffing, A. Bell, H. Kahlid, S. Soyer
14:50–15:15		AI-powered inspection and monitoring for steel wire ropes	M. N. Amin, M. Meleddu, T. Tamarozzi, B. Vusini
15:15-15:45		**Coffee Break**	
15:45–16:10	**Session No.4** Non-destructive wire rope testing — Chairwoman: Laura Lombardi	The future of rope testing	C. Vorwerk, P. Malessa, S. Winter, S. Traub
16:10–16:35		Evaluation of magnetic rope testing methods full locked ropes and splices	M. Weiss, B. Vaurigaud, J.-F. Cherrier, R. Piednoir, S. Contardo
16:35–17:00		First results of a permanent monitoring system of steel ropes using new algorithms	R. Eisinger, J. Keller, J. Guter
17:00-17:10		**Closing First Day**	
19:30–20:00		**Cocktails, Gala Dinner**	

Thursday, March 19th - Conference, Day 2			
09:00–09:25	**Session No. 5** Fibre ropes in application II — Chairman: Stefan Hecht	Condition monitoring system for determining the wear condition of running high-performance fobre ropes	B. Ernst, M. Ferrari
09:25–09:50		Splice technology, the development, testing and safe use of rope splices	P. Jager, R. Romano, J. Ven
09:50–10:15		Evaluation of calculation approaches for multi-layer wound fibre rope drums	M. Stök, A. Lohrengel
10:15-10:45		**Coffee Break**	
10:45–11:10	**Session No. 6** Lifetime prediction of wire ropes — Chairman: Robert Schulz	Deformation-based lifetime prediction for ropes under CBOS loading	W. Frick
11:10–11:35		Test results with new rotary bending test machine	U. Briem
11:35–12:00		Empirical factors and rope design	F. Clerici
12:00-13:30		**Lunch**	
13:30–13:55	**Session No. 7** Wire rope characteristics — Chairman: Justin Brown	Impact of changes in rope properties and altering on a multi-layer rope drum	B. Nongni, A. Lohrengel
13.55–14:20		Investigation of critical factors influencing the tribological system in traction sheave drives	F. Stegmaier, S. Hecht
14:20–14:45		Key features to improve crushing resistance of steel wire ropes	L. Lombardi
14:45-15:15		**Coffee Break**	
15:15–15:40	**Session No. 8** Fatigue testing of running ropes — Chairman: Pengzhu Wang	Design of an efficient test bed for wire ropes crushing assessment	L. Solazzi, I. Trevisani
15:40–16:05		A new innovative approach to determine the total amount of bending cycles for wire rope -introduced in revised ISO 16625	M. Golder
16:05–16:30		The optimal use of bending fatigue testing machines for ropes: a comparative study	M. Elig, M. Fuhrmann, M. Anders
16:30–16:40		**Conclusion of the second conference day** **Presentation of the OIPEEC Award**	
Friday, March 20th			
Technical Excursion – Details to follow.			

Fees, Accommodations

Details about conference fees will be announced soon.

About us

OIPEEC

ORGANISATION INTERNATIONALE POUR L'ETUDE DES CABLES
INTERNATIONAL ORGANIZATION FOR THE STUDY OF ROPES
INTERNATIONALER VERBAND FÜR SEILTECHNOLOGIE
ORGANIZZAZIONE INTERNAZIONALE PER LO STUDIO DELLE FUNI

OIPEEC is an international association of people with an interest in all aspects of rope technology, including selection, degradation, inspection, endurance and discard. Established in 1963, OIPEEC currently has approximately 100 members from 25 countries.

OIPEEC organizes meetings every second year to discuss issues of relevance to ropes. These meetings are open to members and non-members alike.

As an organization OIPEEC does not perform rope research itself but rather tries to coordinate international research through active working groups. Moreover, OIPEEC meetings usually foster 'research exchange' between individuals involved in rope science. As such, OIPEEC fulfils the role of providing an international 'meeting place' of rope scientists, engineers and researchers from around the globe. Also, OIPEEC maintains an active relationship with other trade and/or educational organizations, such as AWRF, OITAF, EWRIS, WRTB, etc.

OIPEEC maintains a public web-based library of its publications. Members periodically receive OIPEEC's "International Journal of Rope Science and Technology" containing additional research papers regarding rope of various types and applications.

Contact Information

Presentation of paper is not required to participate at an OIPEEC Conference. If you would like to attend or have any questions please contact us:

OIPEEC - www.oipeec.org

Sven Winter
sven.winter@ro-tec.net
+49 152 2409 7462
Caren VanZant
administrative@oipeec.org