



**PIANC**  
The World Association for Waterborne  
Transport Infrastructure

# Sailing Ahead

**MAY 2024**

Dear PIANC friends and colleagues,

We have returned from our 35th World Congress in Cape Town, which was a great experience with high-level technical presentations and excellent networking opportunities for both old and new friends. We are thankful to the colleagues from PIANC South Africa for their exceptional and friendly organisation, and we want to express our appreciation. The technical sessions were complemented impressively by the social events and technical visits.

Six years after the Panama Congress, our first Congress after pandemics was a tremendous success and demonstrated the enthusiasm of the PIANC family to face the future of our Association.

We are currently on our way to our 36th World Congress in 2028, which will be held in Antwerp by PIANC Belgium.

The PIANC Statutory meetings, which included the Executive Committee, Council, and Annual General Assembly, were held in the week prior to our intensive Congress. Relevant decisions were made during those meetings, including the approval of the updated Statutes.

Life at PIANC doesn't stop. All of this and information from the Commissions, National Sections, and the upcoming publication of the Permanent Task Group on Climate Change, as well as from InCom, can be found in this issue.

Enjoy reading 'Sailing Ahead'!

**FRANCISCO ESTEBAN LEFLER**  
President of PIANC

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## NEWS FROM THE 35TH PIANC WORLD CONGRESS

At the end of April, the long anticipation of the 35th PIANC World Congress was finally rewarded! The Local Organising Committee (LOC) worked for no less than seven years on this long-awaited congress, which returned to the African continent for the first time since 1926. And boy, was it worth the wait! Our more than 600 participants were treated to a very warm welcome and an engaging congress with interesting technical sessions and lots of social events to network with people from all continents.

The accompanying persons were also presented with a very fine programme where they had ample opportunity to get acquainted with a range of activities Cape Town has to offer. We also could tell from the Congress Banquet that the PIANC community does not shy away from a good party! Young and old had a great time on the dance floor after the gala dinner!

The Congress was preceded by the PIANC board meetings (ExCom, National Sections' Secretaries Meeting, the 90th Council Meeting and the Annual General Assembly) in the Westin Hotel in Cape Town.

Catch a glimpse of the PIANC meeting week and 35th World Congress by clicking on the image below. We sincerely would like to thank the Local Organising Committee, our colleagues of PIANC South Africa, as well as Mr Neil Lawson from PIANC Australia & New Zealand and our Secretary-General Geert Van Cappellen for putting together this very successful Congress!



## NEWS FROM THE PIANC BOARD MEETINGS

In the week before the 35th PIANC World Congress, we held our ExCom and National Sections' Secretaries Meetings, as well as the 90th Council Meeting and the Annual General Assembly 2024 in Cape Town, on 25, 26 and 27 April, respectively.

As usual, the ExCom, Council and AGA followed up on the Action Points, discussed and approved PIANC's financial situation, and looked at some statutory matters.



Furthermore, during the different meetings, all PIANC Commissions and representatives of the National Sections gave an overview of their activities during the past year. The ExCom, Council and General Assembly also approved the proposed revision of the PIANC Statutes.

The Council gave its approval for the new mandates of:

- Mrs Minoretti as Chair of ProCom, in succession of Mrs Pahl
- Mr Kuriyama as Vice-President of PIANC, in succession of Mr Okada
- Mr Kovarik as Vice-President of PIANC, replacing Mr Lacave on the proposal of the French Section

The AGA also endorsed the nominations of Mr Lundestad, Mr Okada and Mr Wangsvik as Honorary Vice-Presidents and Honorary Member, respectively.



*L-R: Mr Kuriyama, Mr Okada*



*L-R: Mr Lundestad and Mr Wangsvik*

Like every year during the AGA, the prestigious PIANC De Paepe-Willems Award (DPWA) was granted. Ms Emma Berendsen (Van Oord, the Netherlands) was this year's first prize winner with her paper 'Structural Capacities of Ship's Parelal Hull Subject to Fender-Induced Berthing Impact Loads'.

Chairman of the DPWA 2024, PIANC Vice-President Mr Mitsuhiro Okada, handed over the cheque and he presented the evaluation of the jury.

After her presentation, Ms Berendsen gave a presentation on her paper and she answered several questions.



During the ExCom meeting, Mr Suedel, Chairman of EnviCom, presented the process and nominees for this year's Working with Nature (WwN) Award. He also thanked the WwN leadership, Mr Elmar Fuchs and Mr Paul Scherrer for all their efforts undertaken for this edition of the WwN Award cycle. The top 3 finalists were announced during the Congress Closing Ceremony:

- First prize: 'Recovery of Habitats Beneficial Use of Dredged Materials and Bio-Tools' - Port of Huelva, Spain - Submitter: Mrs Rocío López Picón
- Second prize: 'Hancock County Marsh Living Shoreline and Pearl River' - Anchor QEA, USA - Submitter: Mr Wendell Mears
- Third prize: 'Madeira River Navigation Improvement Planning Study' - USACE/Brazilian National Department of Transportation Infrastructure - Submitter: Mr Calvin Creech



*PIANC Vice-President Mr Bumgou Kang grants the 3rd prize of the WwN Award to Mr Calvin Creech (L) and the 1st prize to Mrs Rocío López Picón & Mr Alberto Santana of Port of Huelva (R) during the Congress Closing Ceremony*

Additionally, the PIANC Young Professionals Award was presented during the World Congress. With over 30 candidates, papers, and presentations meticulously scrutinised by YP-Com Chair Sebastian Iglesias, YP Award Head Jury, Hyun Dong Kim and 15 other jury members, three winners emerged:

- Floor Bakker claimed the 1st place with his project focusing on a 'Tool to Evaluate Countermeasures at Locks to Limit Freshwater Losses and Saltwater Intrusion While Minimising Waiting Times for Shipping'.
- Andrew Brown ended up on the 2nd place with his research on 'Understanding the Dynamics of a Large and Complex Ebb Tide Delta to Assess the Feasibility of a Greenfield Port'.
- Gianluca Brocca was honoured with the 3rd place for his inventive work on 'Novel Environmentally Friendly Rock-Filled Mattress Solution for Scour Prevention Design in Berthing Structures'.



*L-R: Hyun Dong Kim, Andrew Brown, Floor Bakker, Gianluca Brocca, Sebastian Iglesias*

We extend our sincere appreciation to all who expressed interest in PIANC's Award, and hearty congratulations to all the worthy recipients!

Secretary-General of the Flemish Department Mobility and Public Works, Mr Filip Boelaert, and Mr Bart Verboomen (DEME, Belgian Section) came to present Antwerp as the venue for PIANC's 36th World Congress in 2028 during both the Council Meeting and the AGA.

Last but not least, Mr Nishimura, Deputy Director-General for Engineering Affairs, Ports and Harbours Bureau of MLIT (Japan), gave a very interesting presentation on the 'Lessons Learnt of the Noto Earthquake in January 2024' at the end of the PIANC AGA 2024.



## **NEWS FROM MARCOM**

**In-Person Meeting of PIANC MarCom Working Group 225 in Tokyo, Japan**



PIANC Marcom Working Group 225 had an in-person meeting in Tokyo on 2-3 April 2024. It was the second in-person meeting for WG 225 following the first one in Brussels on 4-5 September 2023. Ten members from Belgium, the Netherlands, the UK, Italy, USA, Australia and Japan gathered in the Overseas Coastal Area Development Institute of Japan (OCDI) Tokyo office. OCDI is also known as the publisher of OCDI (2020), which is the translated version of the [Technical Standards and Commentaries for Port and Harbour Facilities in Japan](#).



The objective of WG 225 is to update the existing PIANC WG 34 (2001) on 'Seismic Design Guidelines for Port Structure'. Three subgroups were formed in the WG: Subgroup A is led by Mr Helge Frandsen and is in charge of design philosophy and performance objectives. Subgroup B is led by Mr Marc Percher and is in charge of analysis. Subgroup C is led by Mr Carlos Ospina and Mr Jhon Paul Smith and is in charge of detailing and good practice.

These subgroups have been quite active and ten online subgroup meetings were held only during the seven months period between the two in-person meetings. The in-person meeting in Tokyo started with a presentation by Mr Atsushi Nozu titled 'OCDI 'Site-Specific' Design Ground Motions'. The presentation was followed by subgroup meetings. In the discussion, it was recommended to describe in Chapter 1 how the WG 225 report can be utilised by engineers when local codes also exist. It was also recommended to establish a relationship between the residual displacement and the status of critical underground components of a pile-supported wharf or an anchored bulkhead to make expedite decisions about its operability following a major earthquake.



After the meeting on 2 April, we enjoyed a dinner hosted by the Coastal Development Institute of Technology (CDIT), Japan. I hope the WG 225 report can contribute to the safety of port structures all over the world.

**Atsushi Nozu**  
Chairman of WG 225

## NEWS FROM COCOM

The Co-operation Commission (CoCom) of PIANC held a hybrid meeting in Cape Town during the World Congress on Sunday 28 April 2024. The members convened to discuss several key agenda items. Here's a snapshot of the meeting:





the focus was on brainstorming Ideas of how to overcome the different challenges within the countries and regions.

With twenty people on site and ten attending online we were able to split to 4 groups and had some very fruitfull discussions.



*Clockwise: Europe-Africa 1, Europe-Africa 2-online, Americas, AsiaPacific*

After the Networking lunch with the other PIANC Commissions at the venue we were lucky to have Mark van Koningsveld to give us an introduction to his ideas on 'Artificial Intelligence in Ports'.

To ease out this intensive workshop day, we had a fantastic time at our outdoor bowling team building event during the YP Delegates Meeting! Great games and even better company. Thanks to all who joined!



**44th Delegates Meeting - 17-10-2024 13:00-15:00hrs UTC (online)**

If you are interested or know someone who might be interested to join, please reach out to us!

## Strong Participation for this Year's De Paepe-Willems Award (DPWA)

The De Paepe-Willems Award 2024 had a great resonance amongst Young Professionals all over the Globe! An overall of 17 Papers were handed in from enthusiastic YP's representing different nationalities.

Although only the first three places are officially rewarded, we would like to congratulate all participants for their great work effort and encourage other YP's to participate in next year's edition!

Not only will the first prize winner be invited to the next AGA in Busan South Korea to present the work, but also the second and third placed will receive a financial reward and paid membership for one year.

So, if you are interested and want to know more how to sign up your paper, please go to PIANC's Website: <https://www.pianc.org/award/de-paepe-willems-award/>.

Interested? [Submit a 3-page abstract](#) of your paper, together with the application form, to PIANC HQ before 31 August 2024. The full paper should be submitted by 30 September 2024.

## Young Professionals Representation during the PIANC World Congress 2024 in Cape Town



During the Annual General Assembly, Sebastian Iglesias and Hyun Dong Kim presented an overview of the activities carried out by the YP-Com during 2023. The Young Professionals keep growing! We currently have more than 1k followers in the new LinkedIn page, more than 120 members in Technical Working Groups, and 32 country representatives around the globe!

[Emma Berendsen](#), was officially announced as the winner of the PIANC De Paepe-Williams Award 2023. This is the highest recognition to a Young Professional given by our Association. Emma attended Annual General Assembly and delivered an exceptional presentation on her research titled "Structural Capacities of Ship's Parallel Hull Subject to Fender-induced Berthing Impact Loads'. Congratulations, Emma!

## 1st Networking session of African Young Professionals

The 35th PIANC Congress provided us with the perfect platform for us to establish connections with other African delegates and PIANC members attending the congress. The Young Professionals held an informal networking session during the lunch break on Friday 3 May 2024 and the invitation was



extended all African YP delegates. Most of the attendees were South African and this was certainly a positive sign with the plans to establish a functional YP forum within South Africa. Representation from other African countries including Mozambique, Namibia and Nigeria provided additional contacts to grow PIANC YP within other African countries.

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Maren Elise Bengtson and Kaylen Saman aim to facilitate the communication between the YP Committee and African PIANC countries and delegates going forward and look forward to engaging soon.

**Anja Brüning**  
YP-Com Secretary

## NEWS FROM THE PIANC COMMUNITY

Some of our National Sections or national divisions have news to share on their past and upcoming activities. Please click on the country logo for some local news from our PIANC National Sections!



PIANC Australia & New Zealand



PIANC Denmark



PIANC Portugal



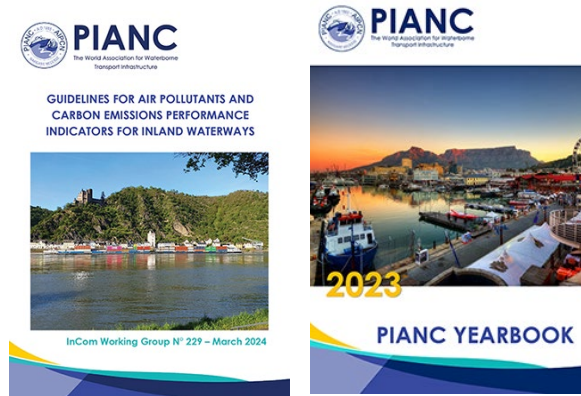
PIANC Spain

## PUBLICATIONS

## JUST SHIPPED

The following publications were released in April 2024:

- PIANC WG 190 (InCom): ['Coating Based Corrosion Mitigation for Hydraulic Steel Gates'](#)
- [PIANC Yearbook 2023](#)



## COMING UP

The following publication will be released in June 2024:

- PTG CC Technical Note No. 2: ['Climate Change Costs to Ports and Waterways: Scoping the Business Case Assessment for Investment in Adaptation'](#)
- WG 236 (InCom): 'Sustainable Management of the Navigability of Natural Rivers'

[Click here to find our latest publications!](#)

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## NEW PIANC WORKING GROUPS - CALL FOR MEMBERS

PIANC InCom is looking for members for its new Working Group (258) on 'Design of Flexible Loading and Unloading Facilities for IW Natural Rivers'!

Interested? Submit your candidacy to your National Section or to [info@pianc.org](mailto:info@pianc.org) in case your country doesn't have a National Section by **31 July 2024**.

PIANC RecCom would like to send out a call for additional members for the 2 Working Groups below. For these WG's, you can submit your candidacy until **30 June 2024**.



## NEWS FROM OUR PLATINUM PARTNERS

### NEWS FROM SHIBATAFENDERTEAM

#### ShibataFenderTeam (SFT) Brings Together more than 300 Attendees for its Seminar on the 'PIANC Fender Guidelines 2024'

After four years of solid teamwork by an excellent group of experts from every corner of the maritime world, the 'PIANC Fender Guidelines 2024' have finally been published.

Following this much-anticipated release, SFT organised The Seminar on 'PIANC Fender Guidelines 2024' on 8 May 2024, to outline the key updates and essentials of the new guidelines. The aim of the presentation was to focus on key aspects to prepare stakeholder for the upcoming changes, rather than overload the audience with too many details and read outs of the guidelines.

The seminar was offered in two sessions, at 8:30 am (CEST) and 5:30 pm (CEST), ensuring accessibility for our global audience. This approach allowed us to reach over 300 guests, a remarkable turnout. Attendees included professionals with different backgrounds such as engineers, port authorities, and universities.

The seminar, led by industry experts and chapter leads Dominique Polte and Eduardo Rodero, provided a comprehensive understanding of the extensive document in just two hours. During the seminar, we covered crucial chapters including:

- Chapter 5 - Berthing Energy
- Chapter 6 - Fender System Selection
- Chapter 8 - Fender System Components Design
- Chapter 10 - Test Procedures of Marine Fenders

All of them highlighting the Holistic Approach to fender design, which has been advocated by SFT since 2017. We are happy to see that this approach is now recognised in the new guidelines.

Attendees' questions during and after the seminar underscored the importance and anticipation of this topic. We addressed all questions either live or via email, reaffirming our commitment to supporting and educating our stakeholders.

For those interested in deepening their understanding, SFT is pleased to offer individual chapter-dedicated seminars, each focusing in detail on the five key topics mentioned above: Energy, Selection, Components and Testing.

We at the ShibataFenderTeam Group are deeply committed to our role as a PIANC Platinum Partner. As the global leading fender manufacturer, we support the association in improving industry standards and apply our 60 years of experience to enhancing its recommendations.

If you are interested in our upcoming seminars or have any questions, please contact us at [marketing@sft.group](mailto:marketing@sft.group).

**Cristina Verde**  
Senior Marketing Manager SFT Spain

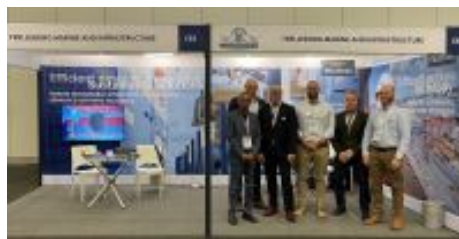
## NEWS FROM TRELLEBORG

### Trelleborg at the 35th PIANC World Congress

With the successful conclusion of the 35th PIANC International World Congress in Cape Town, Trelleborg Marine and Infrastructure is pleased to have had the opportunity to connect with fellow industry experts and visitors from across the globe. We were honored to continue our collaboration with PIANC, assuming the role of Gold sponsors for the event.

As always, this congress provided an excellent platform for exchanging ideas, further solidifying our commitment to leading the industry with well-researched information.

Our team was privileged to deliver insightful sessions at the Cape Town International Convention Centre (CTICC), engaging with the attendees on critical industry topics.







We also co-sponsored the Young Professionals Networking event at the Royal Cape Yacht Club. The event brought together emerging leaders in the industry, providing a platform for them to connect and share insights.

On 30 April, our Applications Engineering Manager, Mathew Kearns, presented 'Snapback! Management of Mooring Line Safety Through the Application of Dynamic Line Tensioning Systems', providing an in-depth analysis of enhancing safety and efficiency in mooring operations.



On 2 May, our Technical Director, Marco Gaal, delivered a presentation on 'Cyclic Conditions and Impact on Marine Fenders', offering unique insights into the challenges and innovative solutions for fender systems.

We extend our thanks to everyone who attended and engaged with us and look forward to driving forward innovative solutions in the marine sector.

**Alexandra Yang**  
Marketing Executive Trelleborg

### **Trelleborg Five-Part Webinar Series on the 'PIANC Fender Guidelines 2024'**

Following the release of the 'PIANC Fender Guidelines 2024', Trelleborg Marine and Infrastructure is excited to present a five-part webinar series exploring the new guidelines. As long-standing partners of PIANC, we have collaborated closely with the association and other industry experts to develop these guidelines.

The series, led by our experts Marco Gaal, Technical Director, and Mishra Koushik Kumar, Business Unit Director of Technology & Innovation, both members of Working Group 211, will cover the following topics:

- Achieving precision in fender design through vessel geometry analysis
- Redefining the approach to calculating berthing energy
- Navigating the fender selection process
- Ensuring excellence through meticulous manufacturing, rigorous testing, and proper installation and maintenance
- Charting a sustainable path for fender solutions
- Design considerations for fender systems on moored vessels

The webinar series began with an introductory session on 14 May, followed by detailed sessions on 21 May and 28 May. We were thrilled to have participants join us to gain a comprehensive understanding of the new guidelines and their implications.

Upcoming sessions are scheduled for 4 June and 11 June. The session of 4 June will delve into Chapters 6, 7, and 8, while the one on 11 June will cover Chapters 9 through 13.

To register your interest and secure your spot, please click [here](#).

Alexandra Yang  
Marketing Executive Trelleborg

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