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April 2019

PIANC AGA 2019 in Kobe Japan - Deadline for Registration is Coming Up!



The deadline for the registration for AGA 2019 in Kobe is extended to **13 May 2019**. The LOC in Kobe is looking forward to invite more PIANC members to Kobe and will also accept attendance of PIANC members who are not National Section Delegates to the social events (dinners, tours, etc.) and the Technical Seminar. They will get observer seats at the AGA meeting.

Please visit the [AGA 2019 Website](#) and register **NOW!**

Ko Hirasawa
PIANC Japan



PIANC-SMART Rivers 2019

Registration for PIANC-SMART Rivers 2019 is now open and can be done at <http://smartrivers2019.com!>

You can also stay up-to-date on the social networks:

- **Linkedin: Smart Rivers 2019 Conference**
- **Twitter : @2019Smart**
- **Facebook: @smartrivers2019**

If you need more information, technical informations about the website/online registration, or if you want us to write an article, please contact Estelle Morris from 'Samui' at estelle.morris@samui.co.uk.

Laurent Luchez
PIANC France

NEWS FROM PIANC HQ

Leander Van Cappellen - 1 May 2019



New life in the PIANC Community! On 1 May 2019, our Secretary-General Geert Van Cappellen and his wife Liza became the proud parents of a beautiful son, Leander!

As Leander already knew his dad needs to go to Kobe at the end of this month, he decided to make his appearance a little bit earlier than expected! He is doing great and of course his parents are over the moon with the birth of this little guy!

The HQ staff sends their best wishes to Geert and Liza! In case you would like to congratulate them, you can send a message to info@pianc.org and we will make sure they will get the message!

Leen - An - Sabine
PIANC HQ

NEWS FROM MARCOM

PIANC MarCom WG 194 on Early Contractor Involvement



The Working Group 194 on Early Contractor Involvement recently met in Voorburg, the Netherlands and Brussels, Belgium. The first part of the report about the theory behind ECI, is currently being reviewed by the Working Group's members.

The second part dealing with selected case studies on the different types of contracting – e.g. the Melbourne Channel Deepening in Australia, Kumamoto Tunnel project in Japan, the Odense Terminal in

Denmark and the Gemini Offshore Windfarm in the Netherlands – is written and will be finalised in June. The last part, which gives guidance to implement the Early Contractor Involvement concept, will be written later this year.

The Working Group will present the first results at the PIANC-SMART Rivers Conference in Lyon, France in October this year. It will be an interactive presentation where the audience will have the opportunity to reflect on the work done thus far.

Are you joining the PIANC-SMART Rivers Conference? You are invited to come to our presentation, as all valuable input is welcomed!



René Kolman
PIANC EnviCom & WG 194

NEWS FROM RECCOM

RecCom held its first meeting of 2019 in Brussels, where the strategic plan was approved. Other important decisions were related to working groups, the MEDA award and outreach to the marina industry.



*RecCom Meeting in Brussels
30 January 2019*



We expect 3 reports to be published this year, and the revitalisation of key Working Groups:

- Working Group 147 - 'Guidelines for Managing the Relationship between Recreational Navigation and Commercial Ports' (Chair: Mr Elio Ciralli) is in the final stages of review prior to submittal for publication.
- Mr Terence Browne, Chair of WG 182 - 'Underwater Acoustic Imaging of Waterborne Transport Infrastructure' has submitted a schedule to complete revisions by other commissions and publication in 2019.
- Working Group 168 - 'Single Point Yacht Mooring Design' (Chair: Mr Claudio Fassardi) is in the final stages of revision and completion.



Working Group 202 meeting in Brussels on 30 January 2019

- WG 169 - 'Fire System Detection and Controls in Marinas' has been relaunched with Oscar Siches and Liina Härm as Co-Chairs.
- WG 147 - 'Guidelines for Marina Design', chaired by Mr Elio Ciralli, will reinvigorate efforts to complete part 3 and part 5.

A proposal of new Terms of Reference was made for adaptations to marinas to new propulsion systems in recreational vessels. While we revise and update old Working Group Reports, we are trying to stay in the leading edge of new industry developments, such as electric boats and AIS uses, which are now becoming of increasing use for recreation.

Plans are in the works to invite marina industry representatives to special events during AGA in Kobe (Japan) and PIANC-SMART Rivers in Lyon (France). We hope to expand the experience at the Panama World Congress, where the Marina Forum, co-organised by the Maritime Chamber of Panama, hosted the Minister of Tourism and many representatives of the local marina community.



President of the Yachts and Marinas Group of the Maritime Chamber of Panama at the Marina Forum

Additionally, RecCom is planning specific events for METSTRADE in November 2019, including networking with Sister Associations and the announcement of the MEDA award Winner.

Some National Sections, such as Spain, Australia and USA, have responded to our request to reach out to their local marina communities. With RecCom support and local actions, PIANC is scheduled to have institutional presence in the upcoming Marinas 19 (Australia) and IMBC 2020 (USA).

RecCom is seeking suggestions to connect marina community members or any stakeholder or regulator involved in the recreational navigation industry to PIANC. This is a key component of our strategy and commitment to be useful.

Finally, we would like to point out that RecCom is 'out there' and was recently mentioned in the latest issue of 'Marina World'. Please click on the image to read the excerpt!

RecCom Working Groups to advise on AIS data use and electric boats

BELGIUM: The Recreational Navigation Commission (RecCom) of PIANC is setting up two new working groups: one to provide guidelines for marina design to accommodate electric boats and another to provide recommendations for the use of AIS data for recreational navigation studies.

"We want to continue the PIANC tradition of providing both technical reference documents for planning and design and a source of early guidance on new industry trends," said RecCom chairman Esteban Biondi. "The topic on AIS data was triggered by fast growing uses in recent years," he continued. "Through our consulting work we have been exploring this tool for assessing superyacht navigation patterns for some time, such as the shift of superyacht Caribbean visitation due to Hurricane Maria." Biondi also mentioned the paper presented last year in the PIANC Congress, where his research documented that 80% of yachts over 30m (98ft) had active transponders while crossing the Panama Canal, by comparing AIS data with official records of crossings during a three-month test period.

A comprehensive study on large yacht traffic patterns in the Mediterranean was also completed

recently by the European Committee for Professional Yachting confirmed RecCom member, Laurent Monsaingeon. The study used 21 million AIS positions of yachts over 20m (66ft) in the Mediterranean over three years (2015-2017) from Marinetrac (a commercial provider of AIS data). Results identified the frequency of marinas, shipyards and anchorages and showed that hundreds of thousands of hours per year were spent in each destination, identifying popular areas and documenting evolving visitor trends.

Another innovative use of AIS data is the recently announced six-month cruising permit for foreign-flagged vessels in the UAE, which requires AIS transponders to be operational at all times.

Alternative propulsion technologies are relatively new in mainstream recreational navigation applications. However, the growth of commercially

available full-electric and plug-in hybrid boats and yachts is accelerating rapidly. "Marinas will need to adapt to serve these new types of vessels," said Roberto Perocchio, representative of ICOMIA-IMG in RecCom. "This is another example of the marina industry supporting the sustainable growth of recreational boating and all its related services and industrial economic activities," he added.

"RecCom is organising a special programme within the Marina & Yard Pavilion at Metstrade 2019, including an open forum to solicit input from the marina and boat manufacturing industry for this new working group," Biondi revealed.

PIANC Working Groups are created to produce a technical report, and members comprise representatives proposed by PIANC National Sections and invited experts.

E: pianc.reccom@gmail.com

Esteban Biondi
Chairman of PIANC RecCom

NEWS FROM ENVICOM

Call for Nominations for 'Climate Change Champions' to the PIANC Commissions

In order to ensure that PIANC is well prepared to meet the challenges of the changing climate, ExCom agreed to create a new position on each of the following PIANC Commissions: MarCom (the Maritime Navigation Commission), InCom (the Inland Navigation Commission), RecCom (the Recreational Navigation Commission) and EnviCom (the Environmental Commission).

The main role of these 'climate champions' will be to provide:

- relevant expertise on climate change issues for the work of the Commissions
- a link between the Commission and its activities and PIANC's Permanent Task Group on Climate Change (PTG CC)
- a conduit for the flow of information regarding climate change within PIANC

By way of a reminder, the PTG CC's objectives include:

- informing PIANC on how waterborne transport infrastructure may be affected by climate change

- providing a platform for the PIANC Commissions to build up their work plans regarding climate change
- collating and co-ordinating information, identifying gaps and contributing to further knowledge and guidance in the area of climate change adaptation, for example by setting up new Working Groups

PIANC and the PTG CC are currently finalising technical reports on climate change adaptation for ports and inland waterways, carbon management, climate change science and parameters of relevance to navigation, and resilience. Plans for future topics include dealing with climate change uncertainties in investment decision making.

The PTG CC looks forward to working with PIANC's Commissions and with their climate champions to:

- identify gaps in technical guidance
- highlight areas where climate change is bringing new challenges
- develop and deliver the technical knowledge products needed to address these for the benefit of the wider waterborne transport infrastructure sector

National Sections are therefore invited to nominate potential candidates for one or more of these 'climate champion' positions. If you wish to make a nomination(s) please submit the following information to [Sabine Van de Velde](#), indicating for each candidate you wish to nominate the Commission to which the nomination is directed, and enclosing:

- a short CV for the person you are nominating
- a 200-word statement prepared by the candidate describing what they will bring to the Commission as their climate champion

Each Commission will consider the nominations received during May/June 2019. National Sections will be advised of the Commissions' decisions by end June 2019. The successful candidate for each Commission can then plan to attend the relevant autumn 2019 Commission and PTG CC meetings.

If you require any further information on these positions or on the process, please contact PTG CC Chair [Jan Brooke](#).

NEWS FROM YP-COM

The YP-Com activities from different regions are described below. Further, an overview is provided of the upcoming events!

Please note that in the previous issue of 'Sailing Ahead', there was a mistake in the YP Board Chart. We hereby present the correct version:



Andy Thomas
YP-Com Chair

Eslie Vrolijk
YP-Com Co-Chair

Rodrigo Moltó
YP-Com Secretary



Site Visit Hansadok Antwerp, Belgium

Recently, the Belgian YP section organised a site visit in the Antwerp harbour area. On Tuesday 26 March, the renewal and deepening of a quay wall in the Hansadok was scheduled. The works, commissioned by the Port of Antwerp, consist in the construction of a 600-m retaining wall and deepening of the current bottom level from about TAW -8.00 m to -12.58 m, allowing vessels with a draft of 15.50 m to access the newbuild quay wall. After a technical presentation of the works by contractor Besix, the construction area was visited in the presence of a cold but lovely sunset. Most of the about 30 YP's present were impressed by the complexity of the works. The visit was completed by a network event near the historic city center of Antwerp and its beautiful river Scheldt.

The Belgian YP's have become more active on social media too with a new Instagram account [@piancypbelgium](#) and [LinkedIn account PIANC YP Belgium](#). Both will be used for updates and new visits, next to the existing communication channels.



PIANC Netherlands YPs & PIANC Netherlands Theme Day on 'Sea Locks'

On 13 February, PIANC Netherlands YPs and PIANC Netherlands organised a theme day on sea locks,

with specific focus on sea locks Ijmuiden and Terneuzen which are currently under construction. Two presentations held during the PIANC World Congress in 2018 were given. The afternoon started with a combined presentation by Pieter van Lierop (IV-Infra) and Henry Tuin (Arcadis) on the design of the roller gates for the sea locks Ijmuiden. Followed by a presentation from Arne van der Hout, Deltares, on scale model testing done for the sea locks Terneuzen. The afternoon continued with a presentation on experience from the construction of sea locks given by Gerben Turkstra from Royal BAM group. Finally, an update was given on Working Group 206 on the Study of Locks by Erwin Pechtold, Rijkswaterstaat.

All in all an interesting afternoon, hosted at Boskalis headquarters in Papendrecht. To give everyone the opportunity to catch up and network, the afternoon ended with drinks and a nice dinner. With an attendance of approximately 70 people it was a great success!

Irena Doets
PIANC YPs Netherlands

PIANC Netherlands YPs & Port of Rotterdam Site Visit to HES Hartel Tank Terminal

On 27 March, the PIANC Netherlands YPs and the Port of Rotterdam authority organised a site visit to the Maasvlakte area in the Port of Rotterdam. Here, a large-scale oil terminal is currently under construction, consisting of a 1.2-km deepsea quay wall, an inland barge terminal for 9 barges and a 180,000 m² storage area.

The project is likely to be finished by the end of this year. When finished the largest VLCC's will be able to moor at the new terminal.

The visit consisted of a presentation by project engineer Erik Broos from the Port of Rotterdam. After the presentation, the group of 25 was given a tour around the construction site. The timing of the visit was great as many of the building stages could be witnessed and the terminal taking shape both at the land side and water front. This can also be seen in the aero view of the project.

The visit ended with drinks at the site office. Among the attendants were YP's from engineering companies, dredging companies, Port Authorities and students. With 25 participants from all over the Netherlands and Belgium and an inspiring programme, it was a day to remember.

Thanks to all the YP's for making this event a success and we hope to welcome you next time.



Irena Doets
PIANC YPs Netherlands

Boat Trip to Houtribdijk & Markerwadden

On a cold but sunny Friday afternoon on 12 April, PIANC Netherlands YPs, together with KIVI Bouw & Waterbouw, organised a boat trip to two innovative projects on the Markermeer: the sandy reinforcement of the Houtribdijk and the Markerwadden.

The trip started in Lelystad on the coaster 'Abel Tasman'. Below decks presentations were given on the sandy reinforcement of the Houtribdijk, a world's first to design dyke reinforcement with sand in a lake environment. It started with a presentation by Jasper Fiselier from the design point of view, which showed the lessons learnt from the Ecoshape pilot project on the Houtribdijk were directly implemented into the design of the Houtribdijk. The presentation was followed by Rinse Wilmink from the Client point of view and the prospections for maintenance and uncertainties thereon and the PhD currently ongoing. Finally, information was given on the execution of the dyke reinforcement.

After these presentations, the Houtribdijk was admired from the upper deck and the sails were set towards the Markerwadden with help from everyone. While sailing towards the Markerwadden a presentation was given by Roel Posthoorn, the director of the Dutch Society of Nature Conservation. Since this is an NGO, they had to raise money for this project, and after almost 40 years of talking about plans on upgrading the water quality, nature habitat and recreation in the Markerwadden, steps could finally be taken. Finally, the project manager of Boskalis, Jeroen van der Klooster, gave insights on the design and building of these new islands in the Markermeer with soft materials. After all the talking a step could be taken on the new piece of land, with nice views from the watchtower. After taking in all these nice impressions sails were set back to Lelystad and finished off with a nice dinner by some people of the group.

It was a very successful afternoon with over 70 members of PIANC and KIVI, interesting presentations, nice weather and impressive views!





Irena Doets
PIANC YPs Netherlands



PIANC Iran YP-Com Technical Visit, Hormozgan Province, Iran

The 3rd YPCom Technical Visit of PIANC-Iran was held to Shahid Rajaee Port Complex in Hormozgan Province on 26 February 2019. The Port of Shahid Rajaee, Iran's biggest container port is located at the mouth of the Strait of Hormuz, in southern Iran.

PIANC Iran organized this visit to third phase of development project of Shahid Rajaee Port with the aim of acquainting young professionals with various fields of port development and implementation.



The technical visit included presentations by project manager and consultant engineers on the port development plan, structural design and facility planning for port infrastructures and site visit to port Construction Process.

Atefeh Afshoon
PIANC Iran

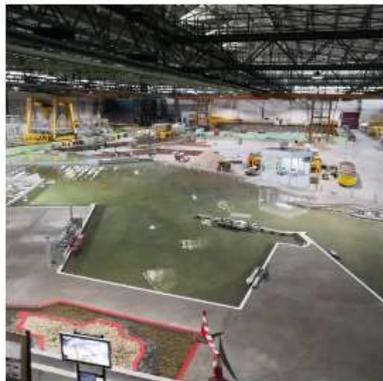


Technical Visit to CEPYC (CEDEX), Spain

The Young Professionals of the Spanish National Section of PIANC (Technical Association of Ports and Coasts, ATPYC hereafter) organised a technical visit to the Centre for the Study of Ports and Coasts (CEPYC) as part of the Center of Studies and Experimentation of Public Works (CEDEX) of the Government of Spain.



The CEPYC is one of the organs in which the CEDEX is structured. In accordance with the Statute of the latter, the CEPYC has the following functions, among others, within the marine and coastal infrastructure scope: carry out activities to obtain, research, experiment and manage data related to resources and natural phenomena; define, design, improve and, where appropriate, evaluate and certify the characteristics of the materials, elements, techniques, methods and systems, as well as promote their standardisation; propose, study and develop regulation, standards and, in general, any kind of technical specification; develop research projects, technological development and innovation; and provide specialised technical assistance to both the public and private sectors.



The technical visit took place in Madrid on April 9 with more than 30 YPs attending. This event included a brief presentation of the scope of work and internal structure of the CEPYC and the visit to the Marine Environment Quality Laboratory, the Ship Manoeuvring Simulator and the Reduced-Scale Physical Model Testing Facilities.





Port Operations Management Session, Spain

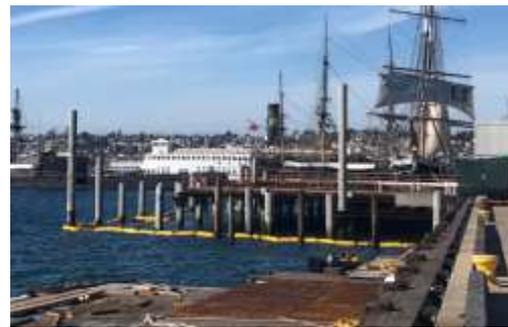
The Young Professionals of the Spanish National Section of PIANC (Technical Association of Ports and Coasts, ATPYC hereafter) organised a session focused on the Port Operations Management on 12 March to the Centre for the Study of Ports and Coasts (CEPYC) as part of the Center of Studies and Experimentation of Public Works (CEDEX) of the Government of Spain.

This successful event called for more than 30 attendees to discuss with several experts on the port operations management scope of work about various topics: the role of the engineering inside the strategic planning procedure, most common port services description and their influence on port competitiveness, definition of the main agents in the port community and three examples of a cruise terminal, an LNG terminal and a Ro-Ro terminal.



PIANC-ASCE YMF West Coast Technical Tour, USA

The PIANC-ASCE YMF event was held on 22 March in San Diego, California (USA). The 18 YPs attending the technical tour had a good turnout. They come from different industries (bridges, buildings and construction) in the SD area. Andrea Viteri (USA YP-Com Delegate) introduced and led the tour for this construction site visit. Andrea took a few minutes during the presentation to educate the attendees of PIANC's involvement in the marine industry and our overall envision of growing the US young professional chapter.





Coming up...



Biennial Technical Visit (BTV) 2019, Singapore

PIANC Singapore and YP-Com International are pleased to invite all PIANC members and YP Delegates to the first ever Biennial Technical Visit (BTV) to be held in Asia!

The 7th BTV is a 4-day event with the main theme Innovations in Maritime Infrastructure. The event shall be hosted in Singapore from 10 to 13 June 2019, both inclusive.

Day 0 (June 10) will be only for YP-Delegates, including a Singapore Maritime Trail and the PIANC-YP Commission Meeting. The rest of the days till 13 June will be open to all and cover, among others, several technical presentations, a Tuas Port site visit, a gala dinner and various networking and drinks events and more site visits.

Do not forget to save the dates! You can download the 7th BTV flyer [here](#).



PIANC One-Day Seminar 'Working with Nature & Sustainable Development' in Kuala Lumpur, Malaysia

PIANC and the PIANC Young Professionals, in conjunction with DHI Water and Environment (M) Sdn Bhd and KASI Malaysia Sdn Bhd, will be holding a PIANC Seminar in Kuala Lumpur, Malaysia on 17 June 2019 (Monday). The theme of the seminar will be 'Working with Nature and Sustainable Development'.

The aim of this seminar is to bring together the Malaysian and international navigation infrastructure community with a number of insightful professional presentations to be delivered by industry experts working in the area, describing sustainable infrastructure projects in Malaysia and around the world. Details of the seminar are presented below:

- Venue: Eastin Hotel, Phileo Damansara, Section 16, Petaling Jaya, Malaysia
- Date: Monday 17 June 2019

- Time: 09:00 till 12:30 - Lunch will be served after the seminar
- Cost: free of charge
- RSVP before 1 June 2019 to Jack Lee by email (lvz@dhigroup.com) or phone to +6016-897-3057

We sincerely hope to hear a favourable reply from you and to meet you during the seminar.

Jack Lee Vun Zac
DHI Water and Environment

2018's Best Performing YP Group Award

The Board of PIANC YP-Com would like to announce the nominations for 2018's Best Performing YP Group Award. This Award has originated from the AGA/BTV in Cairns, Australia with a certificate for Australia NZ in 2017. Since then, YP-Com, in collaboration with PIANC ExCom, have developed a process for the selection of a 'Best Performing YP Group', which has been implemented for the first time for this 2018 award. We are very pleased and proud to be able to announce 10 impressive nominations from all regions of the world for the 2018 award:

- Argentina
- Australia – New Zealand
- Belgium
- Iran
- Japan
- Korea
- Philippines
- Spain
- the Netherlands
- the USA

Over the past weeks/months, all YP Delegates have been asked to submit a nomination for their country. After that, our PIANC Vice-Presidents reviewed, scored and discussed all of these nominations, together with YP-Com's Vice-Chairs, resulting in one very well-deserved winner...

YP-Com will announce the winner of the Best Performing YP Group Award 2018 during the AGA in Kobe, Japan and the YP Biennial Technical Visit in Singapore coming June, by means of a presentation summarising the amazing achievements of each of the nominees – including their YP membership numbers, activities and impact – and presenting you the winner. Afterwards, this will be reported in this electronic newsletter.

So stay tuned to find out who will be appointed as the winner during the AGA in Kobe! To be continued!

NEWS FROM THE PIANC COMMUNITY



New Chairman and Secretary for PIANC Italy

At the end of February, PIANC HQ was informed about the new Chairman and Secretary of PIANC Italy:

- The new President/Chairman of PIANC Italy is Mr Donato Carlea, Civil Engineer, who at the same time, is President of the High Council of Public Works
- The new Secretary of PIANC Italy is Mrs Luisa Ottolenghi, Hydraulic Engineer

PIANC HQ would like to welcome Mr Carlea and Mrs Ottolenghi into the PIANC family and is looking forward to a fruitful cooperation!

PIANC-De Paepe Willems Award (DPWA) 2020 - Call for Applications

Please be advised that the deadline for sending in **abstracts** for the PIANC De Paepe-Willems Award (PIANC DPWA) 2020 is **31 August 2019**.

Full papers are expected at the latest by **30 September 2019**.

Please note that no exception to the deadlines will be allowed.

The Award consists of 3 prizes:

- **Number 1:**
 - € 4,000
 - Free membership of PIANC for a 3-year period
 - The winner will be invited to present his/her paper at the Annual General Assembly (AGA) of PIANC. Free hotel accommodation for 3 nights will be provided, as well as a payment of travel expenses in economy class to the AGA.

- **Number 2:**
 - € 2,000
 - Free membership of PIANC for a 1-year period

- **Number 3:**
 - € 1,000
 - Free membership of PIANC for a 1-year period

The Award will be granted to those candidates who submit the most outstanding paper selected by the jury in the calendar year preceding the General Assembly at which the Award is granted.

In case of co-authorship, the Award will be granted to the principal author of the paper.

We would like to ask you to distribute this message among your Young Professionals. All abstracts/papers should be sent to PIANC HQ (sabine.vandeveld@pianc.org).

The **PIANC-DPWA Rules & Criteria** can be found at <https://www.pianc.org/awards/pianc-de-paepe-willems-award>.

Geert Van Cappellen
Secretary-General of PIANC

Czech Republic - Waterways Conference for The 21st Century

The Waterways Conference for the 21st Century took place on 1 April 2019 in Prague (Czech Republic), organised by the Waterways Directorate of The Czech Republic together with the Czech Section of PIANC. Almost 100 experts from the European Union (Czech Republic, Slovakia, Germany, Poland, Austria and others) discussed the future of inland waterways in connection with Transeuropean network TEN-T. The Conference was under the auspices of The Transport Minister Mr Dan Tok.

The Waterways Directorate (abbreviation RVC CR, Reditelstvi Vodnich Cest) is an organisation affiliated to the Czech Transport Ministry, which since January 2019 has taken over the patronage of the PIANC Czech Section from the previous patron The National Navigation Authority (Statni Plavebni Sprava). On this occasion we would like to express the high appreciation Of the Czech Section to The National Navigation Authority for two decades of mutual fruitfull cooperation. On the other hand, we are looking forward newly to cooperate with The Waterways Directorate without interruption of our activities.

Jaroslav Bimka
First Delegate PIANC Czech Section

It's Been a Busy 2019 So Far for PIANC Australia & New Zealand and It's Not Going to Get Any Quieter! Not If We Can Help It!

The first quarter of 2019 saw the release of the PIANC A-NZ Board's [new Strategic Plan](#) (thanks to Secretary Joel Bailey for all his work on this issue) with its main aim of increasing the Board's regular, meaningful interactions with our members. This is to be done primarily through the establishment and strengthening of regional chapters within our large geographical area – intending an increased delivery of local needs-based events in each region, and nationally increasing our email, web and social media communications to members.

To that latter end, in 2018 the Board had embarked on creating a communications strategy, overseen by Chair Will Glamore, and new Board member Peter Engelen. Early 2019 saw the building of more content on our website pianc.org.au, planning for a regular e-newsletter to members and interested colleagues, and the establishment of a [LinkedIn company page](#) – which now has 198 followers.



Chris Carboon

March saw the first e-newsletter go out – with the intention to connect, engage and inform our members. It was amazing how much we had to tell! Our first stories promoted the up and coming major Australasian [Coasts and Ports conference](#) in Tasmania in September, particularly PIANC's two-day seminar 'Crisis Management and Natural Disaster Response' which is being organised by many members of the Board – led by recently elected Melbourne based Board Member Chris Carboon (pictured).

The newsletter also profiled the recently produced MarCom WG 184 report – 'Design Principles for Dry Marine Terminals'; celebrated the launch of USACE's 'Engineering with Nature Atlas'; informed readers of the 2018 World Congress papers being online now;



encouraged them in our regional chapter building programme and profiled our amazing PIANC A-NZ Treasurer and first Australian PIANC International Vice-President Neil Lawson. All these stories can be found [here](#).

We aim to keep profiling our active members – our latest profile was [Dave Hopper](#), an environmental officer for the State government, currently active in two International Working Groups: WG 195 – 'Applying Ecosystems Services for Waterborne Transport Infrastructure' and WG 214 – 'Beneficial Sediment Use'.



Luke Campbell

Meanwhile, WA based Board member Luke Campbell (pictured) has been very busy building a framework for the regions to support regional events and PIANC building throughout Australia & New Zealand as well as organising networking and information seminar events in Perth. Rodney Hancock, our YP-Com Chair is also working with the Board to ensure full YP representation and engagement with the new structures.

At the same time the NSW members of the Board including Greg Britton, Ron Cox, Katrina Dodd and Neil Lawson are currently busy organising a Sydney seminar on 9 & 10 May in conjunction with the 2019 AGM – the seminar title is 'New Technologies – Driving Environmental Improvements in the Ports and Coastal Sector' and has over [twelve expert speakers](#) presenting on the topic. The seminar is being sponsored by NSW Ports. Our thanks to them.



Mary O'Connell
PIANC Australia

PIANC Korea Board of Directors and General Meeting



The Korean Section of PIANC (with First Delegate President Bumgou Kang) hosted the PIANC Korea Board of Directors and General Meeting on 15 March 2019. During the meeting, the new executive members and secretary-general of PIANC Korea were appointed: PIANC Korea Secretary-General – Hyun Dong Kim; MarCom – Sohyun Kwon; YP-Com Julie Kim.

The Korean Section of PIANC defined the tasks of the Korean Section for 2019: this year, it will focus on international exchange projects to strengthen international capabilities. It is planning to host the joint seminars with other National Sections of PIANC, in order to exchange the technical case studies and build international relations. This year, it will host the PIANC Korea research contests for the first time for the next generations, to find the young experts who can contribute well to PIANC YP-Com.

Hyun Dong Kim
Secretary-General of PIANC Korea

ShibataFenderTeam and PIANC organise Seminar in Argentina

More than 60 participants followed the invitation to learn more about fender system design and port equipment during a one-day seminar in Buenos Aires, Argentina. The seminar was organised by ShibataFenderTeam in cooperation with PIANC Argentina. A comprehensive programme, expert opinion and a fruitful exchange between all participants were the basis for a successful day.



Starting early in the morning at a hotel in Buenos Aires, Sebastian García, Civil Engineer and Secretary of PIANC Argentina, started the day with an introduction of PIANC and the many activities PIANC is offering its members.

Afterwards, Juan Minvielle, CEO of Conisa and representative of SFT in Argentina, gave a brief overview of fender systems in Argentina and Uruguay being designed and manufactured by ShibataFenderTeam, followed by a two part presentation by Eduardo Rodero, SFT Senior Sales Engineer and responsible for Latin America. Whilst the first part focused on 'Testing, Specification and Compound', the second part continued with a case study about 'Optimisation of Fender Solutions by Explaining a Sample of Multiple Fender Contacts'.

The rubber unit is a crucial component of the system, but is only as good as the overall design of the system. Since the rubber units are mostly standardised in the industry, the main engineering and design challenge is with the steel panels, chains and the corresponding anchorage. This topic was discussed in detail by Guillermo Noguera, Civil Engineer at Ingenieurbüro Roßburger. Simple issues like incorrect chain angles or the positioning of the rubber unit on the steel panel and substructure could lead to premature failure of the fender system as a whole. When fenders fail or are not working properly due to low quality or incorrect designs, then there is a cost to the port in terms of repair, downtime, or even accidents which should not be underestimated.

The seminar day was rounded up by presentations from Bob Lee (Lee Composites) about 'Fiberglass Pile and Sheetpile for Ports and Marinas', and from Arthur Briggs from Mampaey Brazil, who shared insights about 'Berthing, Mooring and Towing Systems' with the participants.

All steps of fender design go hand in hand and influence each other. This fact emphasises on the need for a holistic approach to fender system design in the industry and an experienced manufacturer to ensure reliable, safe and efficient operations for ports.

The seminar in Argentina vividly illustrated the many topics that need to be taken into account for a durable and high-quality approach to fender system design. It is one of many being organised by ShibataFenderTeam Group. Their aim is to share expertise and best practice examples of a holistic approach to fender system design. Based on the positive feedback of the participants, it is a valuable approach to educate the industry.

The cooperation with PIANC proved once again to be mutually satisfactory with the next joint activities already being planned.

Trelleborg to Supply Smart Rope Free Mooring System to Port of Langnas

Trelleborg's marine systems operation will supply its rope-free automated mooring system, AutoMoor, to the Port of Langnas' international cruise ferry and domestic ro-ro ferry berths. The Port of Langnas is situated in the Baltic Sea on the archipelago of Aland, which has intensive ferry traffic between Sweden and Finland via Aland.



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Ronny Eriksson, CEO at the Port of Langnas, commented: "The port's international cruise ferry berth alone accommodates nearly 3,000 vessel moorings per year. The majority of which are some of the most advanced cruise ferries worldwide with sizes ranging from 34,000GT to 66,000GT and between 165 to 230 metres in length. Given what is a significantly high volume for just a single berth, it was vital that we upgraded both berths in the port to ensure they continue to sustain such a high vessel throughput. With that in mind, it was essential that the upgrade saw the adoption of automated mooring systems to facilitate quick, safe and reliable mooring operations."

Using vacuum technology to rapidly attach to and secure a vessel at berth, AutoMoor reduces vessel motions and continuously monitors all mooring loads acting on the vessel at berth. This provides live data to the operator to optimise day-to-day port and terminal operations. It also minimises personnel involvement to reduce human error and improve safety.

Developed specifically for the use at the Port of Langnas, Trelleborg's AutoMoor T40 Twin Arm has two mooring arms that can operate in synch or independently to provide flexible mooring of vessels with varying hull profiles. This enables ports to accept a greater range of vessel types. The AutoMoor T40 Twin Arm also has a compact footprint allowing for installation in limited spaces including between gantry rails and the wharf edge.

"Through the use of AutoMoor at Langnas, ship operators such as Viking Lines, Tallink-Silja and Finnlines, will be able to manage crew rest periods more efficiently while reducing onboard personnel and operating costs. Trelleborg certainly didn't disappoint with their AutoMoor system, which I've no doubt will prove its worth in optimizing mooring operations at the berth moving forward", added Eriksson.

Richard Hepworth, Business Unit President, Trelleborg's marine systems operation, says: "AutoMoor will minimise downtime by reducing the effects passing ships have on moored vessels. When using mooring lines, operators may need to interrupt operations, costing time and money in delayed product transfer. Using an automated mooring system to dampen vessel motions and extend the range of conditions in which efficient transfer can take place can have huge implications for efficiency.

"We are happy to have the first milestone completed of a long relationship ahead with Port of Langnas. Thanks to Trelleborg's AutoMoor - a state of the art mooring system - we are sure that Langnas, an early adopter in the industry, will benefit considerably given their remarkably high frequency of operations serving the leading operators in the maritime sector."

AutoMoor is also intended to help ports and terminals become more environmentally efficient, because vessels can be secured in under a minute and released in 30 seconds. This reduces vessel idling time and lowers the time tug boats are required alongside the vessel until the mooring operation is complete, cutting emissions overall.

Trelleborg's AutoMoor solution falls under the operation's SmartPort portfolio. SmartPort powers the critical interface between ship and port, on land and at sea. It connects port operations, allowing operators to analyse performance and use data to improve decision making. The system integrates assets like fenders, mooring equipment, ship performance monitoring, and navigation systems, underpinned by cloud and Internet of Things (IoT) technologies.

For more information on Trelleborg's AutoMoor solution, visit <http://www.trelleborg.com/en/marine-systems/products--solutions--and--services/docking--and--mooring/automated--mooring--systems/automoor>.

Chris Sanders
Trelleborg

PUBLICATIONS

Just Shipped

The following publications were released in March/April 2019:

- WG 184 (MarCom): 'Design Principles for Dry Bulk Marine Terminals'
- WG 159 (MarCom): 'Renewables and Energy Efficiency for Maritime Ports'
- WG 185 (MarCom): 'Ports on Greenfield Sites - Guidelines for Site Selection and Masterplanning'
- WG 188 (EnviCom): 'Carbon Management for Port and Navigation Infrastructure'

Publications Pipeline

The following publications will be released in May 2019:

- WG 189 (InCom): 'Fatigue of Hydraulic Steel Structures'
- PIANC Yearbook 2018

Save money by becoming a member of PIANC and download ALL PIANC publications FOR FREE on the Members Only password protected pages!

ON THE CALENDAR

5th International Conference on Ship Manoeuvring in Shallow and Confined Water (MASHCON) with Non-Exclusive Focus on Manoeuvring in Waves, Wind and Current

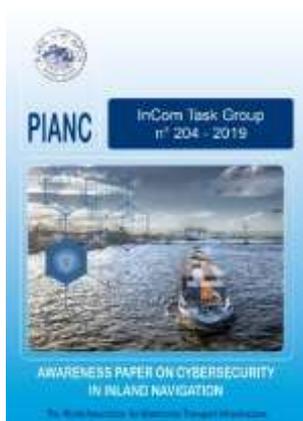
The 5th MASHCON will be held on 19-23 May 2019 in Ostend, Belgium. The conference offers researchers and experts the possibility to discuss the latest developments in research and practice related to ship manoeuvring in shallow and confined water. This edition will pay particular attention to manoeuvring in waves, wind and current, but many other topics related to manoeuvring in shallow and confined water will also be discussed. The proceedings of the conference will contain high quality peer-reviewed papers, that will be presented during the conference at the Thermae Palace Hotel in Ostend, Belgium.

More information on the event can be found on the dedicated [website](#). Registration for the event can also be done here.

Maxim Candries

[Knowledge Centre 'Manoeuvring in Shallow and Confined Water'](#)

Workshop on PIANC WG 204 - 'Awareness on Cybersecurity in Inland Navigation'



On 5 September 2019, CCNR and PIANC plan to organise a workshop on the recently published PIANC WG 204 on 'Awareness on Cybersecurity in Inland Navigation' in Bonn (Germany), to disseminate the report and to enhance awareness about this subject.

The purpose is to expand cybersecurity awareness, discuss and develop the concepts of cyber-resilience and continuity of service in inland navigation and to find a common understanding on how to minimise the risks concerning the safety of inland navigation's digital environment.

Please click [here](#) to find a first announcement and save the date for this interesting workshop.

Philippe Rigo

Chairman of PIANC InCom

NordPIANC Meeting in Hirtshals, Denmark

We are happy on behalf of the Danish National Section of PIANC to announce that the next NordPIANC meeting will be held on 11-13 September 2019 in Hirtshals, on the northwest coast of Denmark.

Details of registration, travel, final programme, etc. will be available in May 2019. Please click [here](#) to find the 2nd Announcement and preliminary programme.

We look forward to welcoming you in Hirtshals!

Jens Kirkegaard

First Delegate of PIANC Denmark

PIANC-COPEDEC X in Manila, the Philippines - 1st Announcement & Call for Papers



The Philippine Ports Authority (PPA) is delighted to host the 10th International Conference on Coastal and Port Engineering in Developing Countries (PIANC-COPEDEC X) on 16-20 November 2020 in Manila, Philippines!

Save the date and take part in this very interesting conference! Find out all there is to know at <http://www.pianc-copedec2020.org> or download the 1st Announcement and Call for Papers [here!](#)

OBITUARY

Manuel Marcos Rita (1948-2019)

On 12 March 2019, Mr Manuel Marcos Rita, former Vice-President of PIANC from (2006 to 2010) and First Delegate of the Portuguese Delegation of PIANC since 1997, passed away, creating a feeling of sadness in the Portuguese PIANC community. Many persons have expressed their condolences to the family during the funeral ceremony.

As a Civil Engineer at the Technical University of Lisbon, Mr Marcos Rita focused his whole professional career on the applied research related to Coastal and Port Engineering, centered in Lisbon's National Civil Engineering Laboratory (LNEC), where he got the degree of Specialist in Maritime Hydraulics and became Coordinating Research Officer. His main professional theme was related to the behaviour of ships in ports. From 1977 to 1987, he taught the chairs related to port and coastal engineering in the Civil Engineering courses of the Polytechnic Institute of Lisbon.

Mr Marcos Rita also was Head of the Ports and Beaches Division of LNEC from 1989 to 1999. In this period, he became Sub-Director of LNEC, a position which he held until 2002. From 2006 to 2011, he headed the Division of Ports and Maritime Structures. Beyond this, he had several other professional and institutional activities, such as the representation of LNEC in management activities related to National and EU Research Programmes and Working Groups.

As First Delegate of the Portuguese Delegation of PIANC since August 1997, Mr Marcos Rita, together with the other Delegation members, took the responsibility of bringing new life to the Association's activities. The Portuguese community involved in the different fields of activity represented in PIANC, is deeply sad by the loss of a dear friend. On the other hand, we have a feeling of gratitude for the role Mr Marcos Rita played in the accomplishment of the objectives of the Delegation during the last twenty years.

Pedro Figueira



PIANC International is also deeply affected by the loss of Mr Marcos Rita, not only for his years of dedication and experience, but also for the friendship and the heart he had for the Association. Together with his wife Maria, he joined the PIANC Delegates on many occasions and in many parts of the world. We especially won't forget all the time and efforts Mr Marcos Rita put together in organising the 31st PIANC World Congress in Estoril, Portugal, as well as the AGA 2015, which took place in Porto, Portugal.

We will always remember Mr Marcos Rita as the 'man with the witty smile', a man of good humour and intelligence and friend to us all. PIANC International wishes to extend its sincerest condolences to Maria and all of Mr Marcos Rita's loved ones.



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