June 2019

For many of us, summer holidays are right around the corner! PIANC HQ wishes you all a relaxing summer to enjoy with your friends and family! But before that, we will give you some holiday literature, so you can catch up with the latest news from the PIANC community!

As most of you know, the PIANC Annual General Assembly (AGA) 2019 took place in Kobe, Japan at the beginning of this month. You will find an extensive overview of this very interesting week in this newsletter. Once again, we would like to give massive thanks to our friends from the Japanese Section, who managed to organise this whole week in a flawless way. Besides all the meetings, the Japanese Section also put together an interesting social and technical programme and all participants could enjoy beautiful evenings during the many delicious dinners and receptions.

Next on the PIANC calendar is the PIANC-SMART Rivers Conference, which will take place in Lyon, France on 30 September-3 October and which will be preceded by the PIANC ExCom, Council and National Sections’ Secretaries meetings, as well as some other Commission meetings. Please note that the early bird rate for this conference has been extended to 12 July 2019!

Provisionnal Programme Now Available and Early Bird Date Extension

We are pleased to announce that the speaker line-up is almost complete for our forthcoming conference ‘PIANC-SMART Rivers Lyon 2019’, which will take place on 30 September-3 October 219. You will find the provisional programme on http://www.smartrivers2019.com/programme.

With so many high-level and experienced practitioner speakers from around the world, we are convinced that the Conference will be useful for everybody involved in inland waterways issues. Registration is open and the early bird rate has been extended to 12 July 2019, so don’t miss it!

The early bird rate is only € 550 for three full days of presentations, visits and social events. The themes that the programme focusses on are:
• Waterway management and general design (governance, management, traffic studies, channel design, navigable river design, etc.)
• Infrastructure design and maintenance (locks, shiplifts, lock hydraulics, lock lengthening, monitoring, asset management, technical design, etc.)
• Transport economics (corridor strategy, logistic issues, modal shift to waterway, urban waterway logistics, digital logistic tool, port strategies, etc.)
• Smart Transport (vessel's optimisation, self navigating vessels, remote lock operation, energy issues, RIS, etc.)
• Environment (sustainable waterways, climate and extreme weather effects, morphodynamic modelling, morphology of European rivers, sediment monitoring and dredging, engineering with nature, environmental strategy, environmental banks, etc.)

We look forward to seeing you in Lyon!

We ask you to distribute this notice to others within your organisation and to your wider network, to make sure your colleagues can take advantage of the early bird rate.

PIANC France

NEWS FROM THE PIANC MEETING WEEK IN KOBE JAPAN

The PIANC Annual General Assembly (AGA) 2019 and related events were successfully held at the Kobe Portopia Hotel in Kobe City, Japan from 3 until 7 June.

The LOC and PIANC Japan express their gratitude to all the participants from all over the world. We also would like to pay our heartfelt respects and gratitude to Honorary President Geoffroy Caude, Secretary-General Geert Van Cappellen and all HQ staff for their efforts and contributions to the success of the AGA.

The outlines of all official meetings and events are introduced below with some pictures.

Day 1 – 3 June 2019

The week started with the ExCom meeting. The participants went through the different action points, discusses eleven new Terms of Reference (ToR) for new PIANC Working Groups and the Commission Chairs gave an update on the ongoing Working Groups. Furthermore, the finances were discussed and approved.

Ms Vrolijk, Co-Chair of YP-Com, reported on the procedure of the first edition of the Annual Award Best Performing YP-Group and informed the ExCom that 10 candidacies were received. After a successful judging procedure with the Vice-Presidents, Spain was appointed as the winner, more information can be found in the 'News from YP-Com' in this newsletter.

Finally, the ExCom approved the proposed Resolution 2019, ran through the past and upcoming international PIANC activities and it discussed the target countries strategy of CoCom, as well as the status of the Working with Nature group and the Permanent Task Group on Climate Change (PTG CC).

Day 2 – 4 June 2019
On the second day, both EnviCom and RecCom held a seminar in the morning. Both seminars attracted a good attendance and treated various interesting topics.

Mr Bridges, Chairman of PIANC EnviCom

Mr Biondi, Chairman of PIANC RecCom

On the same day, the Secretaries Meeting took place in the morning, followed by the Council meeting, which was held in the afternoon.

During the National Sections' Secretaries Meeting, the Strategic Plan 2019-2023 was discussed, with a particular focus on the internal goals that should be reflected in the Action Plans of the different National Sections of PIANC. The meeting also focused on the 15 priority actions defined in the implementation plan of PIANC's Strategic Marketing Plan, in line with the Action Plan of ProCom, which was turned into a full Commission with dedicated full Chair Anna-Lena Georg, who was appointed by the AGA on 5 June 2019.

The Secretaries also took a look at the PIANC membership and the categorisation of its members and discussed the GDPR Strategy of PIANC towards its members.

Six National Secretaries (of PIANC Iran, Korea, USA, Spain, Japan and South Africa) also presented their activities of the past year with a nice PowerPoint presentation.

In the afternoon on 4 June 2019, the Council meeting was held in the same room. Former PIANC President Geoffroy Caude welcomed all Delegates to Kobe and the meeting ran through the different action points of the previous meeting.

The Council also discussed the Strategic Plan 2019-2023. On this basis, Mr Van Cappellen and ProCom were able to draft a new Marketing Plan. The Technical Commissions, as well as the National Sections were asked to derive their own Action Plans. PIANC HQ received five National Sections' Action Plans from Spain, USA, Japan, Korea and Australia, respectively.

Also in the Council, Mr Thomas and Ms Vrolijk, Co-Chairs of YP-Com, presented the Award for the Best Performing National YP-Group and they thanked all the contestants. The overall goal of the Award is to increase the interaction between National Section representatives and associated YP’s in each Section.
which aligns with the Rules & Regulations. The winner of the Award, Spain, was announced during the AGA on 5 June 2019 in Kobe, Japan.

As for the upcoming international activities, Mr White gave an update of the preparations for the AGA 2020 in Bristol, UK. On the other hand, First Delegate of PIANC Norway, Mr Fridtjof Wangsvik, and PIANC Secretary-General, Geert Van Cappellen, signed the official agreement for the AGA 2021, which will be held in Oslo, Norway. Mr Van Cappellen also reported on the National Sections' Secretaries Meeting, which took place in the morning of 4 June 2019.

Mr Wangsvik (L) and Mr Van Cappellen signed the official agreement for the AGA 2021

The Council members also talked about PIANC's finances. Chairman of FinCom, Mr White, thanked the FinCom team for its hard work and efforts. The Council was discharged and the budget approved.

Finally, the Council members approved the following appointments:

- Mr Nick Pansic was appointed as the new PIANC Vice-President, in succession of Mr Edward Schmeltz
- Mr Egbert van der Wal and Mr Babak Banijamali were appointed as new MarCom Chairman and Vice-Chairman, respectively, in succession of Mr Francisco Esteban Lefler
- Ms Anna-Lena Georg was appointed as first Chairperson of ProCom

During the National Sections’ Secretaries and Council meetings, the accompanying persons were taken on an excursion to Kyoto. They visited the Kinkakuji and Ryoanji temples and got acquainted with some Japanese traditional culture.

In the evening, the Kobe City Government hosted the Welcome Dinner on board the cruise ship ‘Luminous Kobe-2’. All guests enjoyed a marvelous view while being served an exquisite dinner, including Kobe Beef!
**Day 3 – 5 June 2019**

5 June was the day of the Annual General Assembly.

Mr Caude welcomed all participants in Kobe and he thanked the Japanese Delegation of PIANC for hosting this year’s AGA.

Mr Takamitsu Asawa, Deputy Director-General for Engineering Affairs, Ports and Harbours Bureau of the Ministry of Land, Infrastructure, Transport and Tourism (MLIT), also took the floor and he gave a brief speech in order to welcome all delegates to the AGA in Kobe.

A minute of silence was held in honour of Mr Manuel Marcos Rita and Mr Cees Van der Burgt, both Honorary Vice-Presidents of PIANC, who passed away this year.

Besides the reports of the President and the Secretary-General, the GA also approved the finances and discharged the Council and FinCom members.

After that, Mr Van Cappellen explained the election procedure for the new PIANC President. Mr Francisco Esteban Lefler, candidate for President, took the floor and addressed the GA. After his speech, Mr Van Cappellen opened the voting and he invited all Delegates to come forward to vote. After the voting, the Vice-Presidents would count the votes.

Mr Van Cappellen also informed the GA about the letters received by the UK Section and the Japanese Section to propose Mr Caude as Honorary President. The GA approved. Mr Caude thanked the GA and said he feels really honoured by this appointment. Moreover, the GA approved the nomination of Mr Nick Pansic to become the successor of Mr Edward Schmeltz as Vice-President of PIANC.

After the Resolution 2019 was approved, as well as the proposed changes to the Rules & Regulations, PIANC Senior Vice-President Mr Hayashida announced the result of the voting for the new PIANC President. Out of the 27 envelopes received, the result was anonymous: the GA elected Mr Francisco Esteban Lefler as the new President of PIANC.

Mr Esteban Lefler takes the floor and thanks the GA for the support. He states he will do his very best to fulfil the task of PIANC President.
After the Resolution 2019 was approved, as well as the proposed changes to the Rules & Regulations, PIANC Senior Vice-President Mr Hayashida announced the result of the voting for the new PIANC President. Out of the 27 envelopes received, the result was unanimous: the GA elected Mr Francisco Esteban Lefler as the new President of PIANC.

Mr Esteban Lefler takes the floor and thanks the GA for the support. He states he will do his very best to fulfil the task of PIANC President.

The GA also discussed the upcoming international PIANC activities and Mr Thomas and Ms Vrolijk presented for the first time the Award for Best Performing National YP-Group. After a nice presentation, Ms Vrolijk announced Spain as the winner of this first edition of the Award and she invited Mr Aznar and Mr Garcia to the stage to take the floor. You can find more information about this Award further on in this newsletter ('News from YP-Com').

Moreover, PIANC Senior Vice-President Mr Hayashida presented the PIANC De Paepe-Willems Award 2019 jury report and he announced the three winners:

- **First place**: Mr Saber Elsayed from Germany for his outstanding paper entitled 'New Integral Modelling and Analysis Approach for Storm Surge-Induced Barrier Breaching, Coastal Inundation and Subsequent Vertical Saltwater Intrusion'
- **Shared second place**: Mr Esandi Javier Murgoitio (UK) for his paper entitled 'Assessment of Overtopping Vertical River Walls Due to Vessel-Generated Waves (Vessel Wash)' & Mr Yoshinosuke Kurahara (Japan) for his paper on 'Prediction of Shackle Motion Hanged from a Jib Top of Crane Barge by a Coupling Numerical Model of Three Motions'

Mr Richard Wakelen and Mr Makoto Tanabe gave special lectures on 'An Asset Management Overview of River Thames' and 'An Historical Outline of the Port of Kobe', respectively.
Mr Naruse, Secretary-General of IAPH, also took the floor and he gave a presentation on 'IAPH and its Collaborative Work with PIANC – World Ports Sustainable Programme (WPSP)'.

Finally, the Chairs of the different PIANC Commissions gave a presentation on their activities in 2018.

During the AGA meeting, the accompanying persons visited Himeji Castle.

In the evening, Mr Hiroyuki Geshi, First Delegate of PIANC Japan, hosted the AGA Dinner at 'Sorakuen'. Before the dinner, the guests enjoyed a very nice Japanese garden party.
Day 4 – 6 June 2019

The technical seminar was held on this day. The seminar consisted of two sessions: an 'Asian Session' in the morning and a 'Technical Session' in the afternoon.

In the evening, the participants joined a Night Tour to Mount Rokko.

Day 5 – 7 June 2019

On the fifth day, a technical tour to Kyoto took place. The participants observed the Lake Biwa Canal in the Nanzenji temple and Keage Incline.

The Japanese YP's conducted a special programme during the PIANC meeting week. You can find their report in this edition of 'Sailing Ahead'.

The LOC and PIANC Japan are honoured to have hosted the AGA 2019. We hope that all participants enjoyed their stay in Kobe and that they will visit Japan again soon!

The Local Organising Committee (LOC) of the AGA 2019 in Kobe and PIANC Japan
PIANC HQ

NEWS FROM INCOM

Meeting of InCom WG 197 on 'Small Hydropower Plant in Waterway'

PIANC WG 197 had its sixth meeting in Liège on 20 March 2019, hosted by the Mechanics and Civil Engineering Institute of the University of Liège.

Site visits took place on 21 March around Liège to the Monsin HPP on the Pont Barrage de Monsin on the River Meuse and to Lanaye HPP on the Albert Canal which is capable of both acting as a turbine and as a pump.

The WG 197-report has been modified to bring it in line with the standard WG-report layout.
The next meeting was held on 19 June 2019 in the offices of De Vlaamse Warterweg in Brussels. The meeting was focused on modifying the sections of the guide completed to date and tightly defining the remaining work to be done to complete the draft by the end of the year. No site visits were undertaken because enough site data has been gathered.

A further meeting is planned for early September which it is hoped will complete the draft.

Nicholas Crosby
WG 197

**Update on InCom WG 198 – 'Saltwater Intrusion Mitigations and Technologies'**

This group had its 5th meeting in Grenoble, France on the 16-17 May 2019, hosted by Artelia. The meeting had an attendance of 7 members with one additional member via teleconferencing from the US. The group also conducted a site visit to the Pilot Training Centre Port Revel and to the Hydraulic Laboratory of Artelia.

In this meeting we were able to incorporate the detailed experience and contributions from members from Germany, China and Belgium, who have more recently joined the group.

Progress on most of the chapters is good with two of the biggest chapters of content nearing completion. Our next meeting will be November in either Hamburg or Delft. More regular teleconferencing will be used between now and then to increase progress on specific chapters. After the next meeting it is expected that the draft of the report will be ready for review by InCom. At least one meeting in 2020 will be necessary for the finalisation after that review. The possibility of organising a workshop at PIANC-SMART Rivers 2021 for dissemination of the results of the Working Group was discussed.

Tom O'Mahoney
WG 198

**InCom WG 201 – ‘Development of a Proposal of Inland Waterway Classification for South America’**

A new WG 201-meeting took place at the occasion of the XIII Argentinean Fluvial Transport Forum which was held in Rosario City Argentina on 29 April 2019.

South American countries’ representatives, as well as ECLAC authorities and WG 201 PIANC members met to discuss the results stated in the WG 201-report.
Second meeting Working Group 210 – 'Smart Shipping on Inland Waterways'

The second meeting of Working Group 210 – 'Smart Shipping on Inland Waterways' took place on 6-7 May 2019 at MARIN in Wageningen, the Netherlands. On both days, 17 members participated in the meeting. We discussed the work plan: the tasks to be done and the participation in the tasks, the time schedule and planning of the meetings and the table of content of the final report. The participants also drafted a template for the inventory of projects on smart shipping is discussed and approved.

The collection of data can start. The filled in templated will be available by the end of July and the first results will be discussed in the next meeting during PIANC-SMART Rivers in Lyon. We had a good discussion based on the drafted paper describing the set up of the analysis phase and the use cases.

The meeting ended with an interesting visit to the facilities of MARIN, the test environments and demo's of two simulators, one related to the NOVIMAR project (vessel platoon) and the RIB-simulator. It was a very fruitful meeting.

Lea Kuiters
Rijkswaterstaat

NEWS FROM YP-COM

7th Biennial Technical Visit (7BTV) in Singapore – 10-14 June 2019

Several weeks ago, the 7th Biennial Technical Visit (7th BTV) of PIANC YP-Com took place in Singapore with about 20 nationalities attending coming from all parts of the world.

The BTV is organised every two years in a country with once-in-a-lifetime projects. The Port of Singapore is massively expanding. The new TUAS container terminals are about to enlarge with an extra container capacity of 65 million TEU. In comparison, this extra capacity is about 5 times larger than the total throughput of the largest port in Europe (Rotterdam). Singapore can truly be considered the world's beating heart of the Port & Maritime industry.
This week, we have seen that the Port, Maritime and the Inland Navigation industry is dealing with several big challenges. For example, we have learnt that the transport sector is one of the biggest contributors to CO₂ emission. By far, maritime and inland water transport can be regarded as the cleanest options. This means that we still have a lot of opportunities in maritime transport, but changing industries is not easy. Strikingly, changing people views may be even more difficult - like Henry Ford 100 years ago already said: 'If I had asked people what they wanted, they would have said faster horses' (Good catch, Lisa-Maria!).

However, if we join our forces, think beyond our (national) borders, share our knowledge, learn from other industries, implement the new digital techniques, we will come up with groundbreaking innovations and I'm sure that we can solve the global problems and deal with the maritime challenges. PIANC as THE global association in Maritime, Port and Inland Navigation is the exquisite network for doing this! So... Join the PIANC network!

In the morning of Tuesday 11 and Wednesday 12 June, keynote speakers from all over the world presented several maritime related topics, such as breakwater and quay wall blockwork design, working with nature, climate change, rock revetment for TTP1 and the future port management of Singapore.

In the afternoon on 11 June 2019, we visited the Singapore Maritime gallery and gained some more insight into the history of Singapore.

In the afternoon on 12 June 2019, a group of 8 YP's also gave open-mic presentations about high-level innovations in maritime design. Afterwards, we could share our questions and thoughts during the panel discussion.

Another interesting activity was our visit to the POCC (Port Operations Control Centre), which is responsible for the management of the navigation in Singapore. This is quite challenging for a port where every 2-3 minutes a ship arrives or leaves.

On Thursday morning, we went on a bus tour, visiting the multi-purpose Jurong port and having a look at some bulk and cargo activities.
During nighttime, social network events were organised at the hotspots in Singapore, which made us enjoy the Skylines of the ‘Garden City’.

The BTV ended with a real highlight: a sailing trip to Finger 2 (TTP1), which is part of the TUAS project. The Maritime Port Authority of Singapore (MPA), Surbana Jurong and the joint venture Dredging International Asia Pacific (DEMIGroup) and Daelim have adopted a variety of innovative solutions for the design of TTP1.

TTP1 is a reclamation of about 300 ha, a caisson quay wall of 8.6 km (with 221 caissons with a height of 28 m), sand filling of about 90 million m³, and dredging works of about 70 million m³. For this project, the world's largest equipment has been used (e.g. Grab Dredger Gosho with a bucket size of 200 m³ & Cutter Suction Dredger Ambiorix).

To manage the planning, costs, risks and especially the complex soil conditions, new techniques have been applied such as artificial intelligence, drones for site surveying and progress monitoring. For this project specific equipment had to be built: the caisson casting Yard, a floating 20,000-t dock vessel, the crane pontoon Sirraff and the fallpipe pontoon Themarock. All those machines were allocated for a safe and secure way of fabricating, installing, and filling, thereby protecting the new reclamation, quay wall and dredging works. We can only describe this visit with one word: impressive!
TUAS Visit on Boat

Many thanks to the organising committee, you guys organised a BTV far beyond our expectations!!

And last but not least, also a big thanks to the BTV sponsors, companies that have sponsored their employees to come to Singapore and the maritime port authorities of Singapore for opening your doors and made this BTV a success!

Spain Receives the Best Performing Young Professional Section Award – 4 June 2019 in Kobe, Japan

During the AGA in Kobe, Japan, the very first edition of the Best Performing YP-Group Global Award took place, referring to the activities organised by the YP's of PIANC's National Sections during 2018.

In this first edition the prize was awarded to the YP's of PIANC Spain. Several members of the Spanish Young Committee had the chance to attend the AGA in Kobe to receive the recognition in person from the hand of YP-Com Chairman Andrew Thomas and YP-Com Co-Chairperson Eslie Vrolijk.

During their Award speech, the representatives of the Spanish YP's had the opportunity to emphasise that the Award was not only for the current board of the Spanish Young PIANC Group, but also for their predecessors, who started their activities more than 15 years ago.

Among these activities developed by the Spanish Young Group outstand the management of the social media with presence on LinkedIn, Twitter, Instagram and a new website with an intranet including updated agendas, repository of documents, member contact details, etc.

The YP Spanish Section also organised the 15th Edition of the YP Annual Congress, held this year in Tenerife (Canary Islands), as well as other daily technical sessions with the senior experts of the maritime engineering field.

During 2018, moreover, the 17th Edition of the Modesto Vigueras Award for the best national technical papers, as well as the first edition of the ATPycture Award for the best photos sharing maritime and coastal landscapes took place. To expand the impact of the YP-Section among the new professionals entering the maritime market, there is a continuous contact with the universities and other technical one-day visits are developed around the Spanish Geography, such as port laboratories, marine works under construction, etc.

All these activities are organised and monitored in the bimonthly presence meetings of the Board that also promotes the active participation of the YP’s inside the national and international Working Groups.

The Spanish YP-Section is currently composed of ten members: Rafael Aznar (Chair), Vicente Pardo...
(Vice-Chair), Rodrigo Moltó (Secretary) and seven (7) additional members: Sara Zoccari, Vanesa Cámara, Enrique Ripoll, Jorge Molines, Pablo Pita, Francisco García y Daniel González. In this Commission, all the maritime sector agents are represented: contractor companies (Rover Maritime & SATO), engineering and consultancy firms (WORLEY, TYPSA, Increa & TPF Getinsa Euroestudios), universities (Polytechnic University of Valencia) and the Government Administration (Motril Port Authority & Ports of Spain).

It is important to highlight that other National Young Professionals Sections had done a great progress and magnificent performance, which makes this award even more remarkable.

Andrew Thomas
Chairman of YP-Com

Eslie Vrolijk
Co-Chairperson of YP-Com

Rodrigo Moltó
Secretary of YP-Com

**NEWS FROM THE PIANC COMMUNITY**

**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.vandevelde@pianc.org).

The PIANC-DPWA Rules & Criteria can be found at https://www.pianc.org/awards/pianc-de-paepewillems-award.

Geert Van Cappellen
Secretary-General of PIANC

News from PIANC Australia & New Zealand (PIANC A-NZ)

1) APAC is the New Biennial Forum for All PIANC Members from Asia Pacific and Beyond

PIANC A-NZ has recently undertaken the ambitious plan of a new PIANC forum for the Asia Pacific region. APAC is the new biennial forum for all PIANC members from Asia Pacific and beyond (non-PIANC members are also welcome).

This new biennial conference series will focus on harbours, ports and recreational boating in the Asia Pacific region. Our 2020 Conference theme ‘Port, Harbour and Recreational Boating for Today and Tomorrow’ reflects the growing worldwide recognition to place the natural environment at the forefront of every project as well as a growing emphasis on a licence to operate.

PIANC APAC 2020 will bring together engineers, planners, scientists and researchers to focus on the technological, scientific, policy, planning and design issues related to our diverse and developing ports, harbours and recreational boating facilities. The first in an eminent conference series, PIANC APAC 2020 will be hosted in the vibrant city of Fremantle, Western Australia on 16-19 June 2020.

We look forward to seeing many of our PIANC colleagues at PIANC APAC 2020. Register your interest online: www.PIANC2020.com.


PIANC A-NZ are also very busy preparing for their special two-day seminar on ‘Crisis Management and Natural Disaster Response’ in September – preceding the ever popular biennial Australasian Coasts and Ports Conference being held in Hobart, Tasmania.

Major topics include:

- Hurricane/Cyclone impacts on ports – emergency response and recovery
- Governmental planning and approach to disaster risk reduction
- Earthquake impacts – with a focus on recent New Zealand events
- Shipping channel blockage risk – management and mitigation
- Prevention versus recovery – the perspective of the first response agencies
- Climate change and the importance of preparedness for extreme events

A diverse and interesting array of speakers have been assembled, including:

- James Dalton – Director of Civil Works, US Army Corps of Engineers
• Mark Crosweller – Head of National Resilience Taskforce, Australian Government Department of Home Affairs
• Colonel Ian Cumming – Australian Defence Climate and Security Adviser
• Dr Hiroyasu Kawai – Director Marine Information and Tsunami Department, PARI Japan
• Jamie Storrie – Manager, Crisis Preparedness and Response, Australian Maritime Safety Authority (AMSA)


3) PIANC A-NZ 23rd AGM Meeting Held

PIANC Australia and New Zealand held its 23rd AGM in Sydney in May, with Chair Will Glamore confident of the growing organisation’s future directions.

Although only a youngster compared to its global parent – (PIANC International was founded in 1885) PIANC A-NZ already has the largest number of Corporate Members (70) out of all PIANC’s 27 National Sections, as well as an impressive number of Individual Members. The recently expanded PIANC A-NZ Board formulated a new Strategic Plan at the beginning of the year for 2019 and beyond – based on two major objectives – building and empowering the regions, and more effective communication to members.

PIANC A-NZ Board Members at 2019 AGM. L-R: Ron Cox, Amanda Martin (Observer), Greg Britton, Michiel de Vos, Neil Lawson, Will Glamore (Chair), Scott Keane, Luke Campbell (seated), Peter Engelen, Chris Carboon (seated). Not in Image: Joel Bailey, Katrina Dodd, Richard Hill, Kevin Kane & Kate Panayatou

It has always been his concern, Glamore says, that the organisation serves its members, and improving PIANC’s regular, meaningful interactions with members is a personal priority. Improved communications in the last six months has seen a 500-% increase in website views and a regular newsletter has been established.

4) PIANC A-NZ Building Regional Chapters

It is partly due to its healthy membership growth – and the region’s large geography – that the PIANC A-NZ Board is seeking to build strong regional chapters which can better focus on local needs and reduce travel costs and time for members. Luke Campbell is the Board member driving these changes, assisted by our Young Professional Section, led by Rodney Hancock, Chair of our region’s Young Professionals Section.
Recent very successful PIANC regional events have included a ship simulation seminar and a one-day Marina Design short course at Fremantle, Western Australia, and a two-day New Technologies seminar in NSW. A channel widening technical seminar is planned for July in Port Adelaide, South Australia.

Dr Mary O’Connell
Communications
PIANC Australia & New Zealand

News from PIANC Spain

1) Technical Workshop on Port Management (12 March 2019)

This technical session was organised by the Port Management Committee and the National Group of Young Professionals. The programme included six presentations focused on strategic planning, port services, port competitiveness and several case studies on Port Authorities, as part of the National Port System. The event was attended by 80 professionals. The video of the technical session was uploaded to the Spanish PIANC website at www.atpyc.com.

2) Spanish Annual General Assembly 2019 (12 June 2019)
The Spanish Annual General Assembly took place at Puertos del Estado Headquarters in Madrid on 12 June 2019. The most important points on the agenda were the following:

- Report 2018 of the activities of the National Section (President and Secretary)
- Annual fees for 2020
- Budget approval
- Report of activities: PIANC Commissions and National Technical Committees
- Report of activities of the National YP-Com
- PYCture Award 2019
- Modesto Vigueras Award 2019
- Elections to Board of Directors

3) Elections to the Board of Directors of the Spanish Section

**President:** Mr Manuel Arana Burgos  
**Members:**  
Mr Rafael Aznar Alonso  
Ms Sara Calvo Fernández  
Mr Rafael Escutia Celda  
Mr Francisco Esteban Lefler  
Mr Macario Fernández-Alonso Trueba  
Mr Gregorio Gómez Pina  
Ms Noelia González Patiño  
Ms Ana Lope Carvajal  
Mr Alfonso Peña López-Pazo  
Mr Miguel Vázquez Romero

**SAVE THE DATE!!!**  
Technical Workshop: ‘Environmental Sustainability and Port Management’  
Huelva, 8-9 October 2019

Organised by Puertos del Estado, the Port Authority of Huelva and the Spanish National Section  
Official Languages: English and Spanish
Technical programme available soon

Asamblea General 2019

PROGRAMA

Día 8 Octubre
Sección 1: Comunicación con la Sostenibilidad del Sector Portuario
Visita al Puerto de Huelva

Día 9 Octubre
Sección 11:
Dragados Sostenibles
Sección 12:
Revista de la Sostenibilidad Ambiental en puertos

NEWS FROM OUR PLATINUM PARTNERS

(Due to a communication error, the Hira Overview of Activities in 2018 was not included in the PIANC Yearbook 2018. Please find below the introduction to their contribution with a link to click to the full yearly report.)

HIRA INDUSTRIES LLC:

History side: Since 1980, Hira Group is into the Manufacturing Products for the Building and Construction Industry

Hira industries was founded in 1980, by Ramesh Hira, an engineer that migrated to Dubai from Mumbai in 1975. After just a few years of working in Dubai, he realised the entrepreneurship opportunities in the building and construction supply chain industry in the UAE. By 1980, a small office in Sharjah was the beginning of Hira industries, which started its operations as an agency rep to a few brands in the HVACR industry. Over the past four decades of growth with the UAE, the company has been able to expand into multiple manufacturing platforms in the building and construction space.

Our strategic objectives are to manufacture niche products in the building and construction space, where we strive to grow and maintain as the top vendor to our clients in the product lines we manufacture.

Hira Group exemplifies the success of a true enterprise starting from the visionary acumen to breaking newer grounds and excelling at every given instance, from the project conception to execution, and proven time and again. Hira is committed to world-class quality and manufacturing.
Mixing – A Step-by-Step Operation: ShibataFenderTeam Group Releases Second White Paper on Rubber Mixing

The four-part SFT White Paper Series explores the production steps of rubber compounding, mixing, curing, and testing in order to provide an unbiased view of “what exactly makes a high-quality fender”.

ShibataFenderTeam aims to advocate more transparency in fender production to ensure quality standards that are driven by a commitment to high-performance products and a clear sense of responsibility. The second part of the Series continues along the lines of the initial paper, released in 2018, which focused on the correlation of raw materials, their composition and the impact on the final product.

'Mixing – A Step-by-Step Operation’ is based on the findings of the rubber compounding paper, and discusses the preparation and mixing steps of raw materials and how they impact the performance of a rubber fender. The complexity and the infinite number of possible rubber compound compositions and various mixing techniques, as well as individual requirements for each different rubber product, make it difficult to determine unifying procedures. The extensive variety of rubber compound compositions requires the mixing process to address these differences in terms of process and equipment. Considering that no two fender projects are alike, the individuality in the production process for each different project is essential.

Click HERE to ready the full article on the SFT White Paper Series.

Performance Verification of Marine Fenders

Marine rubber fenders play a critical role in the operations of ports. They enable vessels that weigh several thousand tonnes to berth against vital infrastructure without damaging the wharf or the vessel.

Rubber compound quality has a significant impact on fender performance. Therefore, it is vital that fenders are produced using a high-quality rubber formulation. Chemical testing isn’t enough to guarantee that the lifecycle and performance of fenders meets the specification. Full-scale testing on prototypes and finished products should be performed in the factory to verify their performance. The problem is that the current industry practice is for suppliers to carry this out themselves, resulting in question marks over the authenticity of the results.

This article discusses various ways that purchasers of marine fenders can independently verify performance to establish whether they meet project specifications. It deals with performance verification testing, how to perform a verification test, the problems with industry practices, an undisclosed truth about witnessed testing and true independent testing. Please click HERE to read the full article.

Concluding thoughts

Fenders are crucial in protecting both the wharf and the vessel so it is important to have a strict procurement process in place to reflect this. In order to truly guarantee that the lifecycle and performance of fenders meet specification, performance verification testing must be independently verified, or at least outside of the manufacturer’s control.
Mishra Kumar  
Research and Development Director, Trelleborg's marine and infrastructure operation

PUBLICATIONS

Just Shipped

The following publications were released in May 2019:

- PIANC Yearbook 2018

Publications Pipeline

The following publications will be released in July 2019:

- WG 189 (InCom): 'Fatigue of Hydraulic Steel Structures'
- WG 147 (RecCom): 'Guidelines for a Better Integration of Recreational Navigation Activities within Fishing and Commercial Ports'

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ON THE CALENDAR

Workshop on Cybersecurity in Inland Navigation

This workshop will take place in Bonn (Germany) on 5 September 2019 and is organised by PIANC, CCNR and the Bundesministerium für Verkehr und digitale Infrastruktur. The working languages will be French, German, Dutch and English.

Inland navigation makes increasing use of digital systems and applications. Its ever-expanding digital environment allows inland navigation to become safer, to reduce its ecological footprint and to remain economically viable. At the same time and due to increasing cyber threats, it becomes more and more challenging to ensure the safety of the digital environment and the resilience of vital services, as well as inland navigation itself.

The purpose of the workshop 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. The workshop is destined equally towards the public and the private sector, in particular:

- regulators, administrators and experts from navigation authorities and waterways managers;
- vessel, port and terminal operators;
- equipment and application manufacturers;
- consultants, research and development facilities.
Find out all there is to know at http://cybersecurityworkshop-inlandnavigation.evenium-site.com and register for this interesting workshop!

**MTE-ISIS Conference in Kołobrzeg, Poland**

The Marine Traffic Engineering (MTE) Conference-International Symposium Information on Ships (ISIS) 2019 enables to exchange knowledge, experiences and opinions that concern safety of navigation, marine traffic engineering and related maritime issues.

The Conference will take place on 16-18 October 2019 in Kołobrzeg (Poland), situated along the south shore of the Baltic Sea. It is jointly organised by the Maritime University of Szczecin (MUS) and the German Institute of Navigation (DGON).

Please click here to find the invitation and first announcement or go to the Conference website for more information.

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