February 2019

At the beginning of the year, all PIANC Commissions, as well as several PIANC Working Groups gathered at PIANC HQ in Brussels for their traditional winter meetings. You can find more details on these meetings in this newsletter.

Meanwhile, the Japanese Section of PIANC is preparing for the PIANC Annual General Assembly (AGA), which will take place in Kobe, Japan on 3-7 June 2019. Registration is now open (delegates only!) and can be done at http://pianc2019.com. Save the date and register for this important event!
We also remind you to register for yet another interesting edition of PIANC - SMART Rivers 2019, which will take place in Lyon, France on 30 September-3 October 2019.

Visit the Conference website at http://smartrivers2019.com and find out all there is to know about this very interesting conference!

NEWS FROM EXCOM

ExCom meeting 2019-1 took place on 31 January 2019 at PIANC HQ in Brussels, Belgium. On the agenda of this meeting were the usual items, such as the follow-up of Action Points, a discussion on new Terms of Reference (ToR) and the status of ongoing Working Groups, but the ExCom members also discussed a new procedure for the Working with Nature (WwN) Award, which was introduced by Chairman of EnviCom, Mr Bridges. The ExCom members also evaluated the work of the ‘Navigating a Changing Climate’-coalition, as well as of the Permanent Task Group Universities (PTG U).

After lunch, Mr Harald Köthe, former EnviCom Chairman and Director of the International Centre for Water Resources and Global Change (ICWRGC, under the auspices of UNESCO), joined the meeting and he gave a presentation on ICWRGC and the opportunities for collaboration with PIANC.

With regard to PIANC’s finances, the ExCom members discussed the results of the past year, the budget for 2019, as well as the business plan 2020-2022 and they also evaluated the PIANC portfolio.

PIANC’s publications were also dealt with: the current status of the PIANC Yearbook 2018 and the status of Working Group reports that will be published soon, and Mr Van Cappellen also informed the meeting that ProCom decided to update the existing promotion material of the Association. Mr Van Cappellen also mentioned the copyright infringement issue PIANC HQ had to deal with concerning a photo that was used in one of PIANC’s publications and that was claimed by a Scottish photographer.

Later during the meeting, Vice-President Mr Hayashida presented the PIANC De Paepe-Willems Award jury report and he announced the three winners:

First winner:

- Mr Saber Elsayed (Germany): ‘New Integral Modelling and Analysis Approach for Storm Surge Induced Barrier, Breaching, Coastal Inundation and Subsequent Vertical Saltwater Intrusion’

Sharing the second place:

- Mr Kurahara Yoshinosuke (Japan): ‘Prediction of Shackle Motion Hanged from a Jib Top of Crane Barge by a Coupling Numerical Model of Three Motions’
As for the statutory matters, the ExCom members welcomed the decision of Mr Rigo (Belgium) to extend his mandate as Chairman of InCom and they propose the candidacies of Mr van der Wal (the Netherlands) and Ms Georg (Germany) to become the new Chairpersons for MarCom and ProCom, respectively. The candidacy of Mr Pansic (USA) to become the new Vice-President of PIANC will also be put forward to the AGA for ratification.

Finally, the ExCom members discussed the past and future PIANC events, as well as the possibilities to welcome some organisations as new Sister Associations of PIANC.

NEWS FROM MARCOM

PIANC Working Group 194 – ‘Early Contractor Involvement’

MarCom Working Group 194 on Early Contractor Involvement (ECI) recently met in Brussels for a 2-day workshop. Participants from the UK, Belgium, Australia, South Africa, Denmark, Spain, Japan and the Netherlands joined the meeting. The ECI report will consist of three parts: a theoretical description, case studies and a guideline for implementation.

The Working Group will finalise the first part before summer 2019 and will hold two workshops for the content’s review by customers. Case studies have been selected and the guideline will be written early 2020.

René Kolman

NEWS FROM INCOM

Kick-Off PIANC Working Group 210 Smart Shipping

The successful kick-off of PIANC Working Group 210 on Smart Shipping took place on 29-31 January 2019 at PIANC headquarters and the office of the Flemish Waterway in Brussels. The members of the Working Group represent more than 15 different organisations, from governmental organisations and branch organisations to commercial parties. For most members it was the first time they participated in a PIANC Working Group, which shows the added value of Working Group 210.

On the first day, Chairman of InCom, Mr Philippe Rigo, gave an introduction and shared guidelines for a successful InCom Working Group and all partners introduced themselves and their interest in smart shipping. It was interesting to see the broad range of different viewpoints and the different backgrounds of the partners. The next day, we focused on the Terms of Reference, to get a common understanding on the scope of the
Working Group, the activities and the results. On the last day, we paid an interesting visit to the company SEAFAR (developing the remote control of vessels) and we did a boat trip through the Port of Antwerp, where we saw one of the test vessels of SEAFAR.

Jasna Muskatirovic  
Secretary of PIANC InCom

NEWS FROM ENVICOM

PIANC Working Group 188 – ‘Carbon Management for Port and Navigation Infrastructure’

WG 188 hit important milestones in 2018, including the finalisation of a draft report in September 2018, after a face-to-face meeting of the group in May and receipt of comments on the draft from 13 outside reviewers in December. The WG 188 members are busy finalising the document for publication in the first part of 2019.

The photo was taken on 4 May 2018, during the meeting of WG 188 at Jan De Nul Headquarters in Brussels, Belgium.

L-R: Piet Wens, Filip Vandeputte, Karel Allaert, Doug Daugherty and Beccie Drake

René Kolman

NEWS FROM FINCOM

FinCom Meeting in Brussels 29-30 January 2019

In preparation for the ExCom 2019 winter meeting, FinCom held its first meeting of 2019 on 29-30 January at PIANC HQ in the Ferraris Building in Brussels.

The FinCom agenda consisted of a very varied and extensive programme, complemented by two extensive presentations, first with our current private bank and a second later on with another independent banking institution, which is why we met for two days.

Firstly, the very positive financial results of the Congress in Panama were reviewed, including the ‘lessons learnt out of the organisation of the World Congress PIANC Panama 2018’. FinCom appreciated the LOC’s flexible organisational spirit that allowed for large savings to be made. FinCom was also pleased with the recognition that its support had contributed to the success of the Congress. The Commission hopes with this experience, and that obtained from earlier events (for example the AGA in Bruges), to adjust the financial aspects of the templates for the organisation of future Congresses and AGAs.

The next item focused on South Africa’s proposal to organise the PIANC World Congress in 2022 in Cape Town. The experience with Panama reinforces FinCom’s view that the organisation of the World Congress in Cape Town is also going in the right direction. FinCom will support the LOC in South Africa, and help and advise it on budgetary aspects, where necessary.

The relocation of PIANC-COPEDEC 2020 from Iran to the Philippines was also an item on the agenda. FinCom noted that the organisation of PIANC-COPEDEC in the Philippines has commenced with the creation of the LOC and that its first meeting, attended by the PIANC SG, is on the right track. It is assumed that the event will appeal to both the public and private sectors in this region.

FinCom reviewed the updated objectives of ‘Navigating a Changing Climate’, which should provide us with more transparency and certainty, and also expects contributions from the other third parties involved.

As usual, an intensive review was conducted about our portfolio, and how to ensure that the portfolio yield is improved. The portfolio has decreased in value during 2018, partly due to the poorer global economic situation, and partly because of the rather defensive structure of our portfolio and our current private bank.
FinCom heard several proposals from the two banking institutions. On the basis of further simulations, which will be submitted to us, FinCom hopes to obtain a better structure of its portfolio, and in the long run, to achieve a higher financial return.

The budgetary forecast for 2019, as well as the Business Plan for 2019-2022 were approved with only a limited number of corrections.

A further debate was also held on the 'subvention' costs with the intention of ensuring a solution for all National Sections, and also for Individual Members belonging to countries where there is no National Section.

![The FinCom members before the October 2018 meeting in Seville, Spain.
L-R: Herbert Smitz (Belgium and Secretary), Remi van der Wijk, Jan Reche, Joe Mantey, Ian White (UK and Chairman), Neil Lawson, Jacques Paul, Geert Van Cappellen and Manuel Arana Burgos.
Due to circumstances Jacques Paul and Joe Mantey could not participate in the Brussels winter 2019 meeting.
(Text and photos: Herbert Smitz, FinCom Secretary)

Herbert Smitz
Secretary of FinCom

NEWS FROM PROCOM

ProCom meeting 2019-1 was held on 30 January 2019 at PIANC HQ in Brussels, Belgium. The meeting was very well attended, both in Brussels and online, and various issues were dealt with.

The ProCom members went through the Action Points of the previous meeting and they also discussed the progress on the Strategic Marketing Plan. In this regard, ProCom agreed that it would be useful to define specific KPI's to focus on. Overall, two main goals are identified: increase the membership of the Association, as well as its visibility. Concerning visibility, it is important to update the existing promotion material and to work with PIANC presentations and videos, as well as to make good use of the different social media.

It would also be a good idea to have a 'PIANC booth' at the occasion of important events. The ProCom members also agreed it is important to create a good link with the PIANC Young Professionals. Concerning the intention to increase membership, the meeting went through the different benefits there are for PIANC members and discussed how these could still be improved.
PIANC Secretary-General Mr Van Cappellen also mentioned the copyright infringement issue PIANC HQ had to deal with concerning a photo that was used in one of PIANC’s publications and that was claimed by a Scottish photographer. In this regard, the ProCom members agreed it is very important that all Working Group Chairs clearly identify the sources of their photographs in the future.

It proved to be a very fruitful ProCom meeting which defined lots of issues to keep on focusing on in the future.

Leen Weltens
Secretary of ProCom

NEWS FROM YP-COM

Starting with a short message from the YP-Com Board: 2019 has been off to a great start! We commenced with the implementation of the YP-Com Action Plan 2019-2023, as set up over the course over 2018 and refined to a live document during the YP-Com meeting in January 2019. This document will be kept up to date and used as our guideline going forward.

In line with PIANC’s vision and mission we are looking to provide a platform for Young Professionals worldwide to be a part of PIANC, including technical aspects by participating in Technical Commissions and Working Groups, networking aspects through events, site visits and meetings and education through scholarships.

The YP-Com activities from different regions for the start of this year are described below. Upcoming in 2019 are a number of great events, with the highlight being the Biennial Technical Visit in Singapore! Stay in the know for the latest updates. Please also stay tuned for the award of the Best Performing YP-Group: nominations are being collected now and the winner of 2018 will be announced at the event of the AGA in Japan.

Last but not least, a very warm welcome to our newest member to the Board: Juan Martin Rodriguez is the new American Vice-Chair Supporter for the Americas Region! Please find below the new Organisation Chart of the YP-Com Board.

Andy Thomas
YP-Com Chair

Elsie Vrolijk
YP-Com Co-Chair
Instead of the annual get-together of YP-Com at PIANC HQ in Brussels, the meeting was hosted this year at the Port of Zeebrugge at the Belgian North Sea coast. In the morning, the Chairman of the Belgian YP’s, Frederik Sanders, working for the Port of Zeebrugge, gave a presentation on the port and its present and future works. Also, Frederik Buffel, Secretary of PIANC Belgium and working for the Maritime Access Division of the Flemish Government, gave a talk on the future infrastructure projects and the ongoing lock programme in Belgium. After both interesting presentations, a site visit was organised to the Albert the 2nd dock where a new quaywall was being constructed. The different phases of the works were explained and shown on site.

After lunch, we had a fruitful meeting with 15 international participants (7 in Zeebrugge, 8 online), being able to finish all topics on the agenda. The afternoon ended with a workshop on the YP-Com action plan.

In the evening, a yearly recurring event of YP-Com Belgium took place, in which the present international YP-Com members participated: a culinary walk through a historical Belgian city, partly sponsored by PIANC Belgium. This year, the networking event took place in Bruges. About 30 Young Professionals gathered at the market square in Bruges, after which they were shown around town by 2 city guides. The walk took us to the historical city centre and offered three stops for aperitif, dinner and desert in three cosy local restaurants. The night ended with a nice Belgian beer, interesting talks and good laughter. A fruitful, interesting and nice day to look back at.

On 7 December 2018, the year-end parties of the YP-Section of PIANC Japan were held at two venues in Yokohama and Osaka. In Japan, the year-end party called ‘Bounenkai’ is held in December, during which
we say farewell to all the bad things and troubles of the year that has passed. A total of 15 YP’s, including newly joined members, participated in these parties and deepened friendship. The number of YP’s in Japan exceeds 50 at present. We will promote further activities in the future and also cooperate for aiming for success of the YP-Com event to be held concurrently with the AGA in Kobe in June 2019.

Annual General Assembly and Christmas Party of the Philippine YP-Section

The 3rd Annual Christmas Party was held on 18 December 2018 at the Shakey’s Pizza House, Bonifacio Drive, South Harbor, Port Area, Manila. About 30 members attended this event.

Raffles and games organised by the Officers set the mood into a festive atmosphere and everybody left the party with a big smile on their faces since all of the attendees won a prize! What a way to end the 2018 for the YP-Com Philippines! Kudos YP’s!!!!

Coming soon...

7th Biennial Technical Visit (7BTV), June 2019, Singapore

Planning for the next BTV in Singapore is still ongoing, but the dates have now been confirmed: the event will take place on 10-13 June 2019. Further details can be found on the website soon. Stay tuned and save the dates!
NEWS FROM THE PIANC COMMUNITY

'Lock Gates and Other Closures in Hydraulic Projects' by Ryszard Daniel and Tim Paulus

Two active members of PIANC, Mr Tim Paulus of the United States Army Corps of Engineers (USACE) and Mr Ryszard Daniel (Rijkswaterstaat, the Netherlands) recently wrote a book that combines the European and American experiences in design, construction, operation, maintenance and managements of hydraulic gates. The book, 'Lock Gates and Other Closures in Hydraulic Projects', has just been published by Elsevier Butterworth and Heinemann and is already in the stores.

Chairman of InCom, Mr Philippe Rigo, wrote a text for the preface of the book, which you can find below. The book is the product of a fruitful cooperation between two PIANC members, which clearly shows the benefits of being part of the PIANC network!

Public authorities worldwide operate and maintain a large number of different types of hydraulic gates that are used in locks, dams, hydropower sites and recreation sites. Many of these gates have reached or will soon reach the end of their service life.

Both Europe and America share common concerns about the aging hydraulic infrastructure. It is, therefore, not surprising that many activities of PIANC reflect these concerns; and that the member countries of America and Europe are most active in this field.

PIANC was also the place where Tim Paulus (USACE) and Ryszard Daniel (Rijkswaterstaat, the Netherlands) got to know each other. This turned out to be a fruitful encounter. As Chairman of PIANC InCom, I could closely see Timothy and Ryszard at work in a number of international Working Groups. They were the most productive contributors, in whatever roles they were asked to fulfil. These roles included organising and chairing the Working Groups, investigating various issues, delivering project reviews and sections of final reports, or just hosting the meetings at inspiring project locations.

The desire for international collaboration in technology is not equally evident in all fields. Hydraulic structures are, however, the field where this desire is unquestionable. This has many reasons, some of which became evident in the recent decades. These are the environmental consequences of climatic changes that in the first instance affect the levels and behaviour of water. Hydraulic structures and gates in particular will play a crucial role in controlling these processes. This matter has been dealt with in diverse PIANC reports and its awareness is growing, but it is not yet sufficiently rooted in engineering practice. Therefore, I am pleased to see that the authors of this book gave environmental issues a place at the same level as, for example, structural analysis and construction issues.

As both authors are practicing engineers with long records of projects and studies, this book is focused on engineering practice rather than on science. However, the term 'engineering' here means more than the core design practices. Much attention is given to the phases that precede the actual design, such as systematic selection of gate types; and to the phases that follow the design, such as construction, operation and maintenance. In addition, basic principles of asset management and of project execution control have been introduced. The latter also includes handling accidents and calamities. The discussion is generously illustrated with drawings and photos, including the details from prominent recent projects, like the new Panama Canal lock gates, the new flood barriers in New Orleans and the new large rolling gates in some European sea locks.
'Lock Gates and Other Closures in Hydraulic Projects' offers a large collection of expertise that should satisfy every practically oriented engineer, manager or student in this field.

Philippe Rigo
Chairman of PIANC InCom

Presentation of the 'Guide for Repair of Concrete Structures in Marine Environment'
– Spanish National Working Group CIP-GT04

During the past two years, the Spanish national Working Group CIP-GT04 has been working on a new publication focused on repairing techniques for concrete structures in marine environment. 16 professionals were members of the WG, representing several organisations, such as Puertos del Estado, Port Authorities, laboratories and construction and chemical companies.

The final version of the document was published and presented in a specific Workshop that took place on 22 January 2019 in Puertos del Estado Headquarters in Madrid, organised by the Port Engineering Committee.

Finally, 115 professionals from different sectors attended the event. The technical programme of the Workshop included four presentations about the following topics: 'concrete pathologies', 'inspection techniques', 'criteria and technical solutions in repair projects' and 'practical case studies'.

Information Sharing Meeting PIANC Japan on 24 January 2019
On Thursday 24 January 2019, 28 Japanese PIANC members responded to the call by Vice-President Hiroshi Hayashida (President of PIANC Japan), and gathered to have an information sharing meeting in Tokyo.

This was the third meeting following the one held one year ago.

Following the opening remarks by Mr Takamitsu Asawa, Ministry of Land, Infrastructure, Transport and Tourism (MLIT), each member of PIANC Commissions and Working Groups briefly presented their activities of the past year, near-term schedule and challenges they face, so that all members could understand what is going on in PIANC as a whole.

The following persons participated in the meeting:

Hiroshi Hayashida, President of PIANC Japan and Vice-President of PIANC
Masaru Suzuki, InCom
Yoshiaki Higuchi, MarCom
Masahiko Fukami, EnviCom
Kenji Ono, CoCom and WG 208
Naosumi Yoshiduka, YPCom
Masato Yamashita, RecCom
Tetsunori Inoue, WG 128
Shigeru Ueda, WG 145 and WG 211
Eiji Kohama, WG 163
Masahiro Takenobu, WG 167
Takahiko Kishimoto, WG 194
Taishi Yamamoto, WG 194
Yoichi Watabe, WG 205
Takahiro Kumagai, WG 205
Muneo Yoshie, WG 208
Masamitsu Ikebe, WG 211
Kota Yamamoto, WG 213
Mitsuo Nozu, WG 214
Shinya Hosokawa, WG 214
Takashi Hara, WG 214
Shigeru Higashiyama, Secretary of PIANC Japan
Takamitsu Asawa, Deputy Director-General, Ports and Harbors Bureau, MLIT
Satoru Uozumi, Director, MLIT
Shinya Mori, Director, MLIT
Naruaki Hisada, Director, MLIT
Ko Hirasawa, Chief Director, MLIT
Takashi Niimura, Deputy Director, MLIT

ShibataFenderTeam’s Commitment for the Spanish PIANC Section ATPYC

Since the beginning of 2019, ShibataFenderTeam Spain, SFT's Spanish branch, is a Corporate Member of the Spanish Section of PIANC, the ‘Asociación Técnica de Puertos y Costas’ (ATPYC). ATPYC has a very active and engaged community of members and as a Corporate Member, ShibataFenderTeam becomes part of a well-connected association and will be able to further expand their connections to the national port association including main port authorities, contractors and engineers.

Based in Spain, our Sales Engineer Alvaro Rodero, responsible for the markets in Spain, Maghreb and West Africa, will represent ShibataFenderTeam in ATPYC’s Working Group on fender design. His five years of experience with ShibataFenderTeam has given him the opportunity to gain extensive knowledge in all kinds of projects in the fender industry, which he looks forward to sharing with the Working Group Members. With the SFT Group having his back, he is supported by a vast network of expertise and experience.

In the spirit of ShibataFenderTeam’s role as PIANC Platinum Partner, they are glad about the opportunity to further support PIANC and to continue the long term cooperation between PIANC and the SFT Group.

Anna-Lena Georg
Marketing Manager ShibataFenderTeam

HIRA Industries Successfully Proven Durability of Its Non-Marking Coloured Fenders for Floating Marinas

HIRA industries, Platinum Partner of PIANC, with its marine fender brand RUBTECH Fender Systems, has
successfully manufactured and supplied high durability non-marking coloured rubber fenders to various projects in the Middle East in 2018.

HIRA Group of Companies are dedicated to provide customers in the Marine and Construction Sectors with products of the highest quality, by forging a successful partnership with them and gaining their trust through outstanding performance. As such, we have proven in the last couple of years the quality of our coloured fenders with its colour stability characteristics and material durability under the gulf area’s challenging weather conditions.

HIRA industries started their rubber manufacturing operations in 2003, our various rubber products are well known locally and globally. In 2017, we joined PIANC, aiming to continuously improve our rubber fender product quality, and participating in developing our clients’ knowledge about rubber fender product quality according to the PIANC guidelines and international standards. We are actively visiting clients in the Middle East and Africa, in order to share more knowledge about good quality rubber fenders with them.

Soon we will be providing PIANC with interesting reports/papers about coloured fenders manufacturing, please follow our news in the PIANC publications!

Moustafa Said  
Product Manager – Rubtech Fender Systems

PUBLICATIONS

Just Shipped

The following publications were released in January 2019:

- WG 141 (InCom): ‘Design Guidelines for Inland Waterway Dimensions’
- WG 204 (InCom): ‘Awareness Paper on Cybersecurity in Inland Navigation’

Publications Pipeline

The following publications will be released in March 2019:

- WG 184 (MarCom): ‘Design Principles for Dry Bulk Marine Terminals’
- WG 159 (MarCom): ‘Renewals and Energy Efficiency for Maritime Ports’
- WG 185 (MarCom): ‘Ports on Greenfield Sites – Guidelines for Site Selection and Masterplanning’

The following publication will be released in May 2019:

- 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

The 2nd International Symposium on Corrosion and Fouling – Antwerp Maritime Academy
The possibility to register for our **2nd International Symposium on Corrosion and Fouling** is slowly coming to an end. Since 1 February, the participation fee has been set at € 200. Please make sure you do not miss this event. More information can be found at [http://corrosion.hzs.be](http://corrosion.hzs.be).

On 29 March 2019, we organise a master class with [Prof. Dr. ir. Rob Melchers](#) (The University of Newcastle, Australia) on Microbially Induced Corrosion (MIC). For those who are registered for the symposium as well, the entrance is free. If not, a moderate contribution of € 25 will be asked. Again, registration is necessary (same website) as a sandwich dinner will be foreseen.

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**Kris De Baere**  
Antwerp Maritime Academy

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### Registration for 2019 IAPH World Ports Conference Opens

Guangzhou Port Authority announced that the registration for the 2019 IAPH World Ports Conference has now opened. The Organising Committee is dedicated to present an unrivalled platform for the world’s port professionals to discuss, develop and plan network strategies on a global scale. The 2019 World Ports Conference will be held from Tuesday 7 to Thursday 9 May at the Guangzhou Baiyun International Convention Centre, with pre- and post-event tours on Monday 6 May and Friday 10 May. Under the theme ‘Collaborate Now, Create Future’, the conference will bring together top-level speakers from across the sphere, to discuss trends in global trade, logistics, innovation, sustainability and port cooperation with interactive sessions on port investment, disruptive technologies, emerging cruise markets, e-commerce, urban land pressures and port call optimisation. The World Ports Conference will also provide an informal setting for delegates to foster new and develop existing business relationships, whilst experiencing the best that the city of Guangzhou has to offer.

To discover the programme and find out about early bird registration benefits, please visit the [official conference website](#).

### OBITUARY

**Cornelis (Cees) van der Burgt (1925-2019)**

At the end of January 2019, PIANC HQ received the obituary of Mr Cornelis (Cees) van der Burgt, who passed away on 23 January 2019.

Mr van der Burgt was no stranger to PIANC, as he served the Association as the Chairman of Permanent Technical Commission (PTC) II, now known as MarCom, from 1980 until 1985, as well as Vice-President from 1989 until 1993. Moreover, Mr van der Burgt chaired the International Commission for the Reception of Large Ships (ICORELS) and finally, he provided some input for the [PIANC History Book](#), which was published in 2010 at the occasion of PIANC’s 125th anniversary.

PIANC wishes to extend its sincerest condolences to Mr van der Burgt's family and loved ones.

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