MARINA

The Quarterly Newsletter of
The Hong Kong Institute of Marine Technology and
The Hong Kong Joint Branch of The Royal Institution of Naval Architects
and The Institute of Marine Engineering, Science and Technology

香港海事科技學會及皇家造船師學會
暨輪機工程及海事科技學會香港聯合分會季刊

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HKJB & HKIMT Activities

Technical visit and friendly soccer game in Guangzhou

On 16 April 2016, a technical visit and a friendly soccer game were jointly organized by HKJB, HKIE-MMNC Division and HKIMT. There were 16 participants from these three learned societies plus two representatives from Macau Maritime Bureau.

The first stop of the visit was to the Guangzhou K-link Ship Building Co Ltd. and its shipyard in Huangpu. Mr. Zhong Yonhqiang – President of K-link introduced the company to the members. He explained that apart from this shipyard in Huangpu, the company has other bases in Dongguan Machong town and Zhongshan Shenwan town as well which occupy a total area of more than 200,000 sq. m and has a total work force of over 1000.

On average, the company builds 30 ships for the Government, 40 Luxury cruisers, repairing 100 ships and works on heavy industrial construction projects of up to 50,000 tons of metal annually. The company's main focuses are on building small and medium sized multi-purpose vessel, luxury cruises and yachts. The company launched its first LNG supply ship in 2014. In January 2016, an Opera Red boat with electric propulsion was also launched by the company.

Photo in Guangzhou K-link shipyard in Huangpu.

Group photo of the joint football team of HKJB/HKIE/HKIMT/Macau Maritime Bureau and the football team of GDSNAME.

Following the technical visit, a friendly soccer match between the joint team of HKJB/HKIE/HKIMT/Macau Maritime Bureau and the football team of GDSNAME was arranged at the Guangzhou Maritime Institute (廣州航海学院). It was an exciting game and the spirits and scores were high. The match ended with a total of 6 goals where GDSNAME scored 4. All players enjoyed playing on the pitch under the exceptionally fine weather. The event was finally concluded with a joyful and happy dinner session. The relationships between members of the professional societies from Hong Kong, Macau and the Mainland were enhanced.

By Matthew Tai

Launching of KM KOO Ship Bridge Simulator

A bridge simulator is now in full operation at the Hong Kong Maritime Museum. This simulator was donated by the Valles Group and was named as "KM Koo Ship Bridge Simulator". Visitors to the

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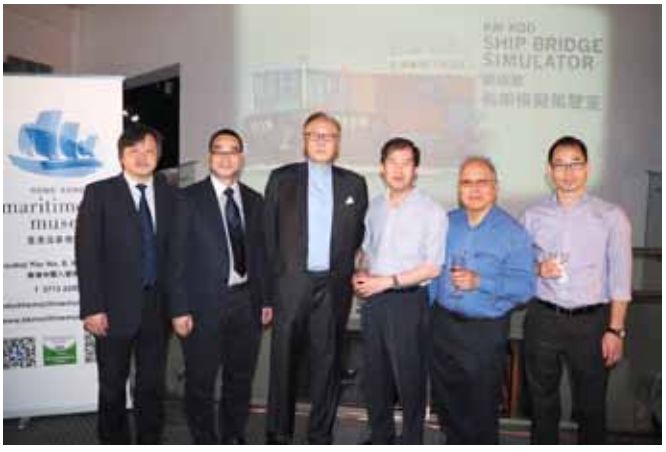
A Toast Proposed by Mr. David Koo at the Launching Ceremony.

museum can now use the simulator to have an enjoyable experience of navigating a ship in the Hong Kong Victoria Harbour safely. This new simulator enriches the facilities in the museum and can also attract more visitors to the museum. It is also a great opportunity to promote the maritime career and raise the interests of the younger generation to the maritime professions.

The launching ceremony for the simulator was held on 29th April 2016 from 17:30 – 19:00. Among other guests, HKIMT and HKJB were also invited to attend the ceremony to mark this memorable occasion. An opening speech was presented by one of the Board Manager of The Valles Steamship Ltd. – Mr. David Koo. Mr. Koo is also the Hon. President of HKIMT.



(L-R) Jammy Ng, Stanley Lui, David Koo, Alan Tsang, Albert Lo and Jeff Zhang Outside the Simulator Room.

"It is very special for our family to be able to make such a gift to this very fine institution in honor of our late father Koo Kou Ming" and "The Koo family hopes that this gift will, given its interactive capabilities, increase the public's interest in the museum and that it will help keep alive the memory of KM", said Mr. Koo in his speech.

Alan Tsang, Stanley Lui, Jammy Ng, Albert Lo and Jeff Zhang from HKIMT and HKJB were there to share the joy with others. After the ceremony there was a cocktail reception and we all had our turn to operate the simulator navigating the Hong Kong Victoria Harbour.

By Alan Tsang

Shipyards Visit at Nansha, China on 23rd April, 2016 (Saturday)

By courtesy of Mr. Eric Chui – former committee member of HKJB, a morning visit to Bonny Fair shipyard at Nansha was arranged on 23rd April, 2016. This was an event jointly organized by HKJB, HKIMT and MMNC division of HKIE.

A total of 22 members from the organizing bodies arrived Nansha Ferry Pier at around 9:40am on 23rd April, 2016 and were welcomed by Mr. Eric Chui and Mr. Ever Chan

Ir Eric Chui from Sea Transport Co. Ltd. led members of HKJB/HKIMT and HKIE-MMNC Div. to look around the pre-fabrication shop of vehicle-passenger ferry.

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One of the double hull crude/oil Products Tanker of 112, 300 tones just completed by Guangzhou Longxue Ship Building.

from Bonny Fair Development Limited's Hong Kong office. A brief introduction on the layout of shipyard was presented by the staff from Guangdong Bonny Fair Shipyard in the meeting room. The General Manager - Mr. Li Guo Xuan then went on to explain the formation of the shipyard. The shipyard was built on 9th January, 2013. It is an integrated part of the Guangdong Navigation Group and its affiliates - Guangdong New China Shipyard and Guangdong Hope Yue Shipbuilding Industry Limited.

The shipyard produced its first ship in early 2014. To facilitate the smooth starting of the shipyard, it was able to obtain most of its workforces from the shipyards in the Group. Today, the shipyards had delivered 22 ships of various types and at present, there are still 11 ships in the production line.

Mr. Li stated that Bonny Fair has the expertise to produce three types of ships, namely: duplex stainless steel chemical vessels; vehicle-passenger ferry and carbon fiber high speed boats. This strategy is to avoid competing in the highly competitive steel vessels market.

Mr. Eric Chui then took us to see two other vehicle-passenger ferries ordered by an Australian owner. The main selling points for this type of vehicle-passenger ferry are its full height glass panels around the ship and the glass viewing floor along both sides the passenger cabin. The hull of these vessels was fabricated by high tensile steel and the superstructures were fabricated by aluminum alloy. While we walked through the engine room, we noticed that the hull design is quite unique in exercising weight control.

After lunch, we went to Guangzhou Shipyard International Company Limited (GSI) in Longxue Island of Nansha District. We toured around the shipyard's facilities and looked at the hull sections stored in the surrounding open areas. We then went up a viewing platform to have a bird's eye view of the whole shipyard. A tour around a 113,000 DWT LR2 product / crude oil tanker designed by a famous Chinese Naval Architect followed. This vessel has a "ledge bow" design to reduce the wave pounding effects and fuel consumption.

From these technical visits, we were able to see the latest developments of the shipyards in China and understand their struggles to maintain their competitive edge in the business.

By Ir Tang Kai Fun

Group photo in front of the vehicle-passenger ferry.

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Technical Visit to Chiwan Container Terminal on 28 May, 2016 (Saturday)

HKJB of RINA & IMarEST, HKIMT and HKIE-MMNC Division jointly organized a technical visit to Chiwan Container Terminal on 28th May, 2016. A total of 19 delegates gathered at the Shenzhen Bay Control Point at around 10 am that morning. Mr. Yeung - representative from China Merchant Resources Company was there to meet us and take us to the Terminal.

Mr. Muk, officer-in-charge of the terminal briefed us on the development of the Terminal. This terminal had been in operation since 1990. Today, the terminal handled about 3 million TEU per year. And its busiest time occurred in 2005/2006 where the terminal handled about 8 million TEU per year. With a seabed depth of 16m at the pier, vessels up to 399m can berth alongside the piers. This terminal has 10 berthing areas and is equipped with 40 lifting cranes. The terminal has a workforce of around 1000. About 500 of which work for the maintenance and repairing team and the remaining are subcontracting workers.

Mr. Muk explained that due to the recent decline in the shipping businesses, about 30% of the containers stored within the terminal area were empty containers. They had been stored there for quite some time.

Presentation of souvenir to Mr. Muk, officer in charge of the terminal (fourth from left) by chairman of MMNC-HKIE Ir Y.M. Cheng.

Group photo in front of the Chiwan Container Terminal main entrance.

There is a total 4 companies providing towing and berthing service to the Chiwan, Ma Wan, Yue Luen and China Merchant Resources terminals.

We were then guided around their operation centre in which we were able to grasp how the whole terminal operation was monitored and controlled by computers and how incoming / outgoing containers were designated/transported to their locations. We also learnt that containers have different colours which signified that they are coming from different ports. To achieve the target of cutting down 10% of the current air pollution emissions, vessels have to change to cleaner fuel while berthing alongside. However, ships can switch to shore electricity supply only in certain berthing areas.

From this visit, delegates had a better understanding on the operation of Chiwan Container Terminal. Hong Kong apparently has to act quickly in order to maintain its status as an international shipping centre. The expectation to the newly founded Hong Kong Shipping and Port Board is high.

By Ir Tang Kai Fun

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Career Talk for students at IVE Tsing Yi – 21st June 2016

One of the tasks of HKJB and HKIMT is to promote our profession and conduct career talks to the youngsters at various levels. A career talk jointly organized by HKJB and HKIMT was held on 21st June 2016 at IVE (Tsing Yi) for students studying Higher Diploma in Mechanical Engineering.

We were pleased to see the interest shown by the students to the profession. The lecture theatre was fully occupied by about 100 students. Captain Marso Law, Chairman of Maritime Professional Promotion Federation, began by sharing his sea-going experiences with the students. He said that working onboard a vessel is a great opportunity to meet people with different nationalities and is a great way to improve one's English. It was also a great opportunity to visit other countries for free. Onboard a vessel, one's sense of responsibility can be strengthened. If one works hard and learns hard, then one can get the qualification as Chief Engineer within a period of 5 to 6 years counting from the time when one serves as a cadet. He also stated that there is still a great shortage of manpower in the marine industry all over the world.

Ir Jammy Ng, Senior Surveyor for Seafarer's Certification Section of the Hong Kong Marine Department explained further the career path to the students on how to become a Certificated Marine Engineer Officers. In view of the importance of shipping in the maritime businesses, students have plenty of job opportunities in the maritime field. Students were encouraged to join the marine engineering discipline.

Experience sharing by marine engineer officers.

After the presentations, two serving marine engineer officers (Mr. Lam Kong Hei Yale from Anglo Eastern and Mr. T.C. Cheung from Valles Steamships) shared their experiences about their sea going life and explained to the students their duties onboard vessels.

Students' interests were high, they continued to make enquiries to the speakers after the talk. They all wanted to know more about the life at sea.

By Ir Stanley Lui

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Maritime Forum 2016

The Maritime Forum 2016 organized by the Marine Engineering Society R.O.C. was held at the National Central Library in Taipei on 24 June 2016. The theme this year was Ballast Water Treatment Systems. Speakers and participants from the United States, Korea, mainland China, Taiwan and Hong Kong were professional engineers, scholars, industrial experts and surveyors from classification societies. Three delegates from HKIMT, HKJB of RINA & IMarEST and HKIE MMNC Division attended this event.

At the beginning of the Forum, two keynote speeches were delivered by Mr. Chi Wen Jong, Director-General of Maritime and Port Bureau – Ministry of Transportation and Communications and Professor Chang Ching Fong - President of the National Taiwan Ocean University respectively. Ir Ben Y W Lau was the leader of the Hong Kong delegation who delivered the first technical presentation on the title "Ballast Water Management Requirements – Are Owners and Port Authorities Ready?". After a brief introduction of the environmental impact due to invasive aquatic species carried by ship's ballast water, Ben highlighted the latest ballast water regulatory developments and enforcement measures in the International Maritime Organization (IMO) and United States Coast Guard (USCG)

Ir Ben Y W Lau delivering the technical presentation in Ballast Water Management.

The Hong Kong Delegation with Prof Ma Fong Yuan, President of Marine Engineering Society R.O.C. (2nd from right).

which included the enforcement of ballast water management and the various options for compliance such as treatment, alternatives, exemptions, no discharge and other methods. The subject matter was analyzed comprehensively from the perspectives of the ship owners, flag states and port authorities. Ben also took this opportunity to promote Hong Kong as an undisputed International Maritime Centre in view of its registered tonnage (>8% of world fleet) and its containers and cargo throughput. The contributions of the professional engineering institutions as observers to IMO were also highlighted.

The Forum also has other presentations made by experts from ballast water system manufacturers and classification societies. The active discussions that followed ranged from risk based management of ballast water treatment system design to possible exemption period granted by USCG.

At the end of the Maritime Forum, the Hong Kong delegation had the privilege to join the dinner hosted by Professor Ma Fong Yuan, President of Marine Engineering Society R.O.C., at the Armed Forces Officers' Club. All participants enjoyed the dinner. It fostered the business relations and celebrated the successful completion of the event.

By Simon Chen and Leslie Lee

Day of the Seafarer Celebration Dinner Party on 28 June 2016

Group photo of HKJB/HKIMT members at the Seafarer Celebration Dinner Party.

Seafarers are proud to say that they serve in the shipping industry to transporting about 90% of the world cargo by weight. And shipping is an important link of the chain in transporting world cargo to the consumers. In commemoration to the contributions of seafarers to the world economy and in recognition of the risks in executing their duties, the international maritime community takes the opportunity to pay tribute to the world's seafarers for their unique contribution to the society. The Day of the Seafarer has now been included in the annual list of United Nations Observances. A series of celebration events had been arranged during the month of June 2016 in Hong Kong as follows:

- Hong Kong Maritime Museum Open Day;
- "Say Thanks to the Seafarers" colouring competition;
- Seafarer's Life Roadside Exhibition at Stanley and Hong Kong Maritime Museum;
- Lung Kwu Tan Shorelines Cleanup;
- Visit tour to container ship and container terminals;

HKJB was invited by the Hong Kong Seamen's Union to participate in their Day of the Seafarer Celebration Dinner Party on 28 June 2016 at the Windsor House, King's Cuisine. HKJB/HKIMT had a full table in this event. We were overjoyed and excited to see so many young seafarers joining the shipping industry in the dinner party.

By Ir Stanley Lui

Outstanding Mechanical Engineering Alumni Award, HKPO

Any member who knows somebody graduated from HKP / HKPU of Marine / Mechanical Engineering Department can nominate his / her for this award.

The nomination form with all supporting documents should be submitted to me on or before 30th September, 2016 (Friday). Such nomination form and supporting documents can be obtained from:

Ms. Celia Wong
Department of Mechanical Engineering
The Hong Kong Polytechnic University
Hung Hom,
Kowloon,
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Fax: (852) 23654703
Email: celia.w@polyu.edu.hk

Or from HKJB Hon. Sec Mr. Eric Lee
Tel: (852) 28524417 (Direct)
(852) 66913138 (Mobile)
Email: wclee@mardep.gov.hk

Upcoming events / activities

August 2016

- 27th August 2016 (Sat)
  Visit Central Fire Boat Station and Fire Boat

October 2016

- 13th & 14th October 2016
  Advanced Maritime Engineering Conference (AMEC) 2016 of Pan Asia Association of Maritime Engineering Societies – Hong Kong Jockey Club, Happy Valley
- 25th - 28th October 2016
  Shiptec China 2016 - Dalian, China

November 2016

- 22th – 23th November 2016
  6th Asian Logistics and Maritime Conference – HKCEC
- 25th November 2016 (Fri)
  HKJB/HKIMT Joint Annual Ball

December 2016

- 7th - 9th December 2016
  INMEX China 2016
  Poly World Trade Centre, Guangzhou, China

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