# 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

### HKIMT Annual General Meeting on 29 April, 2014

The HKIMT 173rd AGM was held on 29 April, 2014 from 18:30 hrs at the Banquet Room A&B at The Police Officers' Club in Causeway Bay, HK.

The Hon. President Mr. David Koo attended the AGM. A total of 40 members attended the meeting. As usual, our chairman Ir Stanley Lui gave his chairman report to cover the Institutes past 12 months activities on technical seminar/talk, technical visits and social events, etc.

After the Hon. Treasurer, auditor and the Chairman, reported to the meeting, the election of General Council members for 2014/15 was conducted as well as election of Hon. Secretary, Hon. Assistant Secretary and Hon. Treasurer followed.

The official functions were completed by a friendly and happy atmospheric dinner.

*Ir Tang Kai Fun*

### Social Function

Committee members of HKJB and HKIMT were invited to the 35th annual dinner of MMNC division of HKIE at the Regency Ballroom of the Hyatt Regency in Sha Tin, N.T. on 8 May, 2014.

The MMNC Division of HKIE has long been our partner in organizing joint functions related to marine activities.

*Ir Tang Kai Fun*

### Career Talk for students at IVE Tsing Yi - 12 May 2014

A career talk was jointly organized by HKJB of RINA & IMarEST and HKIMT at IVE Tsing Yi for the students just completed their 1st year of Higher Diploma Mechanical Engineering Course. The talk attracted about 60 students and a number of questions were raised to the speakers during or after the talk.

Ir Albert Lo made the opening of the talk by a brief introduction of both HKIMT and HKJB to the students, then followed by Ir K.K. Lo of Hong Kong Polytechnic University to share his experience onboard as Marine Engineer and his present work to assist the victims of traffic accidents. Mr. Jammy Ng, Senior Surveyor of Ships - Marine Department explained the Career Path

*Talk by Ir. Albert Lo – Vice Chairman of HKIMT*

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***http://www.hkimt.org.hk***

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*Talk by Ir K. K. Lo – Committee Member of HKJB*

and Prospects of Certificated Marine Engineer Officers and Seafarers Certification System. The final speaker - Capt. Marso Law also presented the overview and employment prospects of marine engineers, as well as future shore employment opportunities once they obtained the Class 1 or 2 Marine Engineer Certificate. Students are now fully benefited from the speakers past experience and have a clear understanding of their career prospects. This would be used as the background information on whether to pursue their marine career decision after graduation.

*By Ir Albert Lo*

*Students at the Talk*

## Technical Visit to Smart Power Centre and Power Quality Centre of Hongkong Electric Co., Ltd.

A total of 17 members from HKJB and HKIMT visited the Smart Power Centre and Power Quality Centre of Hongkong Electric Co., Ltd. (HKE) in North Point on 17 May 2014.

As a responsible stakeholder in electricity supply sector, HKE is committed to enhancing the environmental awareness of its business partners and educating the public on the smart and efficient use of energy. In this regard, five major aspects have been focused for the setting up of Smart Power Centre, namely reducing radiant heat, reducing standby power, motors and drives, lighting and air conditioning.

In Smart Power Centre, Mr Mak, Customer Care Manager of HKE introduced and demonstrated the various higher efficiency electrical appliances and installations to us for achieving smart and efficient use of electric energy. These higher efficiency electrical appliances include T5 fluorescent tube and light emitting diode (LED) which are widely used for replacing lower efficiency T12 fluorescent tube in the lighting system for domestic and commercial sectors. In ventilation and air conditioning systems, motor is mainly used for the prime mover of the fan and compressor. However, for lengthy operations, the use of higher efficiency motor equivalent to EFF1 can reduce the power consumption significantly. Apart from using higher efficiency electrical appliances, other smart solutions such as window film and low-emissivity glass are used to reduce the indoor temperature by blocking thermal energy from outside environment. A good habit of switching off unused electrical appliances and install power socket with cut off feature can also reduce the power consumption of electrical appliances on standby. All the above solutions are recommended to customers which involve only some low cost investments and with some minor disruptions to building operation. The definition of Category II of Energy Management Opportunity of Building Energy Efficiency Ordinance

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*Ir Stanley Lui (L), Ir M Y Chan (R) presenting souvenir to Mr Mak (right 2nd) and Mr Cheung (left 2nd) of Hongkong Electric*

promulgated by the Electrical and Mechanical Services Department are also met upon the introduction of these solutions.

In Power Quality Centre, Mr. Mak gave us a presentation about the statistics of HKE on the generation, transmission and distribution of electricity in the past years. He also introduced and demonstrated some solutions to mitigate the fluctuating critical loads which may have very sensitive effects to the voltage dips and harmonics on the power supply. From this visit, we had a better understanding on the ways to safeguard power supplies and the use of some of the low cost higher efficiency electrical appliances and installations for our daily life.

*Mr. K. H. Lai*

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## Joint Chairman Cocktail Reception on 5 June, 2014

HKJB/HKIMT joint chairmen's cocktail reception party was held from 6:30 pm to 9:30 pm on 5th June, 2014 at the Chart Room of Royal Hong Kong Yacht Club.

A total of 66 VIPs and members fully occupied the Chart room in a friendly atmosphere. The chairman of HKJB – Ir M.Y. Chan welcomed all the participants and thanked everybody for showing their support and awareness for the promotion and development of all marine related activities.

*Members of HKJB/HKIMT together with VIP guests and friends fully occupied the chat room*

*Welcome speech by Mr. David Koo – Hon. President of HKIMT*

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The opportunity was taken to introduce the newly-elected Hon. President of HKIMT – Mr. David Koo gave a short welcome speech to all the attendants and he was looking forward to unify all marine related organizations, learned societies, as well as HKSAR to maintain Hong Kong as an International Maritime Shipping Center.

A note of thanks expressed to Mr. Koo for his generosity in the sponsorship of drinks in this cocktail reception.

*Ir Tang Kai Fun*

## Smart Operations: Hong Kong 2014

As a supporting organisation, HKJB formed a delegation to attend the "Smart Operations: Hong Kong 2014" hosted by Inmarsat at the Harbour Grand Hotel on 17 June 2014. The HKJB delegation included Mr. M. Y. Chan – Chairman, Mr. Ben Lau – Hon. Secretary, Mr. K. F. Tang – Hon. Treasurer and Mr. Leslie Lee – Hon. Assistant Secretary. There were other HKJB committee members representing their own organisation to attend the event as well.

Smart Operation: Hong Kong was the third in the series of informative events being held around the globe examining organisation and solutions to integrate ship and shore management processes. The event was in a forum format chaired by Mr Arthur Bowring, the Managing Director of the Hong Kong Shipowners Association. Speakers included representatives from Inmarsat Maritime, DNV-GL, Wartsila, Teromarine, Spectec Group, Eniram, Swank Motion Pictures, NAPA China, NCC Group and Bernhard Schulte Shipmanagement (HK).

Information and communication technology, operation efficiency and ship-and-shore connectivity were the core topics discussed among the speakers. Various stakeholders extended the topics to ships design, crew welfare, ship management, regulations, information security, maintenance system etc. A common understanding was that maritime information

*Smart Operations Hong Kong 2014*

technology is there and ready for improving the shipping industry, while there were departing views as to who should take the leading step to move the shipping industry forward in this regard.

The HKJB delegates took this opportunity to meet representatives from the shipping industry, share the view of how information technology affects naval architecture, marine engineering, science and technology. Last but not least, the team encouraged relevant professionals to be part of the HKJB by joining RINA and/or IMarEST as member.

*(Submitted by Mr. Leslie Lee)*

## Dinner Party Celebrating the Day of the seafarer on 25th June, 2014

As invited by the Hong Kong Seamen's Union regarding the dinner party celebrating the Day of the seafarer, a table was formed by both members of HKJB/HKIMT.

We were happy to see a lot of young seafarers took part in the dinner party and over 100 volunteers took part in participating a series of celebration events such as:-

- Say Thanks to the seafarers (Till 30/5/2014)
- Micro Film Competition (Till 7/6/2014)

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- Visit Tour to Container Ship ( 12/6/2014)
- Day of the Seafarer Orienteering Race (21/6/2014)

The events were supported and sponsored by more than 20 local maritime organizations.

We were confident that such events could bring to the attention of the public how Hong Kong has been working hard to maintain Hong Kong as an International shipping centre.

*Ir Tang Kai Fun*

*The game in action*

## Friendly Football Match Between Guangzhou / Hong Kong / Macau

It was 5 years since we held the last friendly football match between the maritime societies from Guangzhou, Hong Kong and Macau in 2009. This year, a similar football match was held on Saturday, 28 June 2014. With the coordinating effort from Ir Alan Tsang, a joint team was formed from members of the Hong Kong Institute of Marine Technology, Hong Kong Joint Branch of the Royal Institution of Naval Architects and the Institute of Marine Engineering, Science and Technology, The Hong Kong Institution of Engineers – MMNC Division and representatives from the Macau Maritime and Waterworks Bureau.

Thanks to the promotion of some members of our learned societies, the participation from Hong Kong was very active. The team comprised of a total of 25 participants from Hong Kong and two friends from Macau.

The venue of the match was at the Guangzhou Maritime College at Huangpu District at Guangzhou organized by our friendly society, Guangdong Society of Naval Architects and Marine Engineers (GDSNAME). After exchanging of souvenirs, the match kicked off at about 4:30 pm with 40 minutes each for the first and second half sessions. The match was conducted in a friendly and exciting atmosphere. Hong Kong joint team lost 0:2 during the first half. However, in spite of the heat and the demand of physical strength the concerted effort of our team mates paid off, we managed to equalize in the second half. After the equalizing scores, our team gained confidence and maintained the high team spirit. We commanded a good control of the match

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*Exchange of Souvenir*

for a considerable period of time. One of our players, Simon Tse demonstrated an "up-side-down kick" which only just missed the goal. We also had a "very lucky" and skillful goal keeper Rakesh Sethi, who managed to locate himself at the right place and the right time to prevent some scores from our opponent. Both sides had a very good team spirit and we all played with full strength till the end of the match.

A dinner was hosted by GDSNAME after the match and our team members were then taken off to the Guangzhou East Station for the return train to Hong Kong. We wish to thank GDSNAME for their organisation of the venue at the Guangzhou Maritime College and hosted the dinner afterward with the attendance of Professor Biliang Zhong – Research & Equipment Director of the Guangzhou Maritime College. We would also like to thank the Chairmen of the three Hong Kong learned societies, Ir Stanley Lui, Ir M. Y. Chan and Ir C.K. Tam for their participation. Eric Lee for arranging the souvenir, team captain Ir K.K. Lo for arranging our team shirts and other team members such as Ir Louis Szeto, Ir Patrick Ng, Ir C.Y. Fong and Ir Barry Lee for their expertise advice and coordination. Last but not least, special thanks should be given to all players and without their support we would not be able to complete this event successfully in a friendly and enjoyable atmosphere.

*Alan Tsang / Leslie Lee*

## A Place of Refuge Found for chemical tanker *Maritime Maisie* (IMO No. 9251535)

After more than 4 months at sea following a severe collision and fire, *Maritime Maisie* has been given refuge in Korea.

This Hong Kong-flagged, Singapore owned vessel was carrying an estimated 30,000 tons of a hazardous cargo when it collided with a Pure Car and Truck Carrier (PCTC) near the port of Busan on 29 December, and subsequently caught fire. The ship had since been held at sea by tugs. Japan and South Korea were unwilling to give it refuge to the vessel due to the hazardous nature of the cargo and the severe damage to the hull, for fear that it might break up and sink causing pollution to the environment. Poor weather conditions in January and February and prolonged exposure to swells of up to four metres might have complicated matters further and contributed further damage.

Lloyd's Register's Ship Emergency Response Service (SERS) Team has been providing technical support throughout the incident from day one by evaluating the vessel's stability after collision and then fire damage, residual strength, evaluating the consequences of proposed actions such as towing, redistribution of ballast and cargoes, planning in cargo off-loading, and others.

*Maritime Maisie* was carrying a hazardous cargo, damaged in Korean waters drifted into Japanese waters and the fine raged for well over a week.

This was quite an unusual situation and multiple teams in LR had to work together to resolve it. This, together with poor weather conditions, meant LR had to make sure the calculations of the ships condition and recommendations to the owners were as accurate as possible.

The vessel wasn't safe enough for LR surveyors to get on board and make properly assessments to the damage until March 2014. The decision to allow *Maritime Maisie* into the port of Ulsan in Korea was most welcomed.

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This isn't the end of Lloyds Register's involvement in the story of *Maritime Maisie*. Now that she has arrived in port, LR will be involved in overseeing the safe unloading of the cargo, cleaning of the ship and a full assessment of the vessel to see if she can be salvaged. Further assistance for the safe movement to a repair or recycling facility will also be required.

LR's responses and services have set a new standard. It even supported the client with media activity – virtually unprecedented for a classification society during such an incident. LR's global press release described our expert assessment of the ship's condition at a time when it was far from certain that a safe port refuge would be provided.

*(Submitted by Ben Y. W. Lau, Lloyd's Register Asia, Hong Kong)*

## Appeal for Participation - 2014 HKJB-HKIMT Joint Annual Ball 14 November 2014 (Friday)

On behalf of the Annual Ball Organizing Committee of The Hong Kong Joint Branch of The Royal Institution of Naval Architects and The Institute of Marine Engineering, Science and Technology (HKJB of RINA & IMarEST) and The Hong Kong Institute of Marine Technology (HKIMT), we write to call for your support by booking the table or seat and sponsorship to 2014 Annual Ball Event to be held on Friday 14 November, 2014.

Our Guest of Honour will be Ir Dr Hon W.K. Lo - Legislative Councillor - Functional Consitituency - Engineering. Copy of the Event Leaflet and Booking/ Sponsorship Form can be downloaded from HKIMT Website (www.hkimt.org). In order to secure your table or individual member seat, please book as early as possible, but not later than 15 Sept. 2014.

Both the HKJB of RINA & IMarEST and HKIMT are learned societies with objectives to promote professional development of marine technology & maritime activities. Our Institutes have maintained the tradition of organizing the Annual Ball with great success over twenty years during which many distinguished guests from the Government, shipping companies and members that have great contribution to Maritime Industry in Hong Kong were invited to participate.

This is an annual golden opportunity to meet with maritime professionals and business counterparts in a friendly and enjoyable environment and to have great fun.

Your continual support & contribution to our Annual Ball is highly appreciated.

*By Ir Albert Lo*

## RINA Certificate of Appreciation

Our parent body RINA advised that on occasions the contribution of an individual may have been outstanding, whether in the length of that service or in their achievement. The RINA Council formally recognises such outstanding contribution by the award of a 'Certificate of Appreciation'. If any HKJB member would like to propose to award such certificate to a RINA member, please contact the HON. Sec. by using email ben.lau@LR.org.

## Coming Events

*August 2014*

- 30 Aug 2014 (Saturday) 9:00 to 12:00 a.m.
  Half day Seminar for:
  1) How Ships are Regulated - The IMO, IACS and other Regulatory Body;
  2) IMO Safety & Environmental Regulations - An Update

*September 2014*

- 13 Sept 2014 (Saturday)
  Technical Visit - Daya Bay Nuclear Power Plant

*November 2014*

- 14 Nov 2014 HKJB/HKIMT Joint Annual Ball

## HKIMT Council 2014/15, Office Bearers

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