

## **Conclusion of the 9<sup>th</sup> Asian Shipbuilding Experts' Forum**

**26<sup>th</sup> November, 2015**

1. The 9<sup>th</sup> Asian Shipbuilding Experts' Forum (ASEF Forum) was held on 25<sup>th</sup>-26<sup>th</sup> November 2015 in Nantong, China. Mr. Dacheng Guo, the Chairman of China Association of the National Shipbuilding Industry (CANSI), expressed his warmest welcome to all the participants and affirmed the important role of the ASEF Forum on exchange of information and cooperation among Asian shipbuilding countries. With regard to the establishment of the Active Shipbuilding Experts' Federation (new ASEF), he also raised high expectations and stressed the importance of continuous cooperation within and contribution to the global maritime industry.
2. The Forum was co-chaired by Mr. Yanjia Liu and Yao Teng of CANSI, which was hosted by CANSI and co-organized by the Shipbuilders' Association of Japan (SAJ), Korea Offshore and Shipbuilding Association (KOSHIPA) and Japan Ship Technology Research Association (JSTRA). 192 experts from 8 countries including China, Japan, Korea, Indonesia, Malaysia, Sri Lanka, Thailand, Vietnam as well as from the Association of Asian Classification Societies (ACS) and Asian Shipowners' Forum (ASF) participated in this Forum.
3. With the theme of 'Outlook on Shipbuilding Industries', delegates from CANSI, SAJ and KOSHIPA made the presentations respectively.
  - 3.1 Mr. Jintao Hu on behalf of CANSI gave an outlook on marine technology with specific improvements on design technics, marine material, and equipments and systems.
  - 3.2 Dr. Yukichi Takaoka on behalf of SAJ introduced the current development of liquefied hydrogen carrier in Japan and highlighted the relevant safety requirements.
  - 3.3 Dr. Jae-Yong Oh on behalf of KOSHIPA presented the overview of Korean e-Navigation from three main aspects including technology, infrastructure and standards.
4. ASF and ACS were invited to introduce their current situations and latest activities. Mr. Kwang Ho Shin, the Secretary-general of ASF, presented its framework and updated the key issues focused on by Asian shipowners, including ship recycling regulation, piracy and armed robbery, cyber security, CO<sub>2</sub> emission, and refugees and migrants. Mr. Tae-Woo Kim, the Secretary of ACS reviewed its history, structure and activities, and illustrated the future direction with the views of cooperation on technical issues.
5. Following the usual pattern, two sessions on maritime safety and marine environmental protection were held and chaired by Mr. Byeong Cheol Choi from KOSHIPA and Mr. Ko Koiso from SAJ respectively.
  - 5.1 At the safety session, agenda of Containership Safety, GBS and I-Shipping has been discussed.
    - 5.1.1 With regard to Containership Safety given by CANSI (MARIC) and SAJ (JMU), the safety of large container vessels has raised the concerns mainly on stability, cargo security and structural design and assessment, and it was noted that there is necessity for shipbuilders to early upgrade the safety levels and requirements in

large container vessel, particularly jointly with IACS and each classification societies on their rules.

- 5.1.2 Regarding GBS, three presentations were given, including Ship Construction File (SCF), CSR and latest status of GBS. SCF was reviewed and explained by SAJ (IMABARI), with notice that the relevant documents will be finalized in 2015 and planned to be submitted jointly to MSC 96 as INF Paper. In CSR, the main impacts from the new CSR were addressed by KOSHIPA (HHI) with its case study and participants shared the view that further work mainly includes design optimization and design procedure development as to balance strength and cost of bulk carriers and tankers. As for GBS, the latest status was introduced by CANSI, especially on Safety Level Approach (SLA), and it was pointed out that its Interim Guidelines are under development in IMO and more active involvement is requested from shipbuilding industry.
  - 5.1.3 As for I-Shipping, integrated ship information monitoring system was presented by KOSHIPA (DSME). It has been noted that effective means for harmonized collection, integration, exchange, presentation and analysis of operation data are necessary.
- 5.2 At the environmental protection session, agenda of EEDI, Underwater Noise, Polar Code and IGF Code has been discussed.
- 5.2.1 Regarding to EEDI, the minimum propulsion power has been addressed by both CANSI (CSSRC) and SAJ (JMU) based on their own studies. Moreover, application of ISO 15016:2015, Coefficient  $f_w$ , minimum propulsion power and availability of EEDI Phase II were discussed.
  - 5.2.2 On Underwater Noise Control, model test and control of propeller noise caused by flow phenomena related to propeller operation and interaction with the vessel hull were presented by Prof. Wenwei Wu of CSSRC. Participants shared views that it is necessary to consider propeller noise in the early design phase.
  - 5.2.3 For Polar Code, the essential points involved in design and building of polar ship has been given by CANSI (CCS), especially on safety requirement against the adverse conditions.
  - 5.2.4 With regard to IGF Code, the progress of IGF Code with application, scope, main requirements on design as well as its potential impacts have been explained by CANSI. In the second presentation, economic analysis of gas fueled container ship was illustrated by KOSHIPA (SHI) and it was noted that gas fueled ship would be a three-bird-one-stone solution to meeting the requirements of GHG reduction and  $SO_x$  and  $NO_x$  control under some presuppositions on cost.
6. As for the updates of Asian shipbuilding focus, delegates from Indonesia and Vietnam introduced their respective domestic situations. Mr. Tjahjono Poesdianto of IPERINDO highlighted Indonesia maritime characteristics, strategy and roadmap, and Mr. Le Minh Duc of the Shipbuilding Industry Corporation of Vietnam presented the achievements of its national shipbuilders as well as the future works.
7. Mr. Hideaki Saito, as the secretary of CG on IMO-NGO issues reviewed the ASEF history,

reported the activities herein, and presented the draft Charter of Active Shipbuilding Experts' Federation. The 9<sup>th</sup> ASEF Forum expressed high appreciations to JSTRA on its excellent work.

8. Finally, SAJ announced its intention to host the 10<sup>th</sup> ASEF Forum in Tokyo, Japan on 8<sup>th</sup>-9<sup>th</sup>, November 2016.