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Obituaries

Jong H. Hwang



Professor Jong H. Hwang died of pneumonia March 12, 2012 at the age of 84. He was born on January 25, 1928 in Seocheon, Hamkyungnam-do, Korea.

Prof. Hwang played a leading role in founding Korea Towing Tank Conference (KTTC) on April 1980 in order to incorporate effectively with ITTC and became the first Chairman of KTTC until 1984. He remained a member of the Steering Committee of KTTC until 1997. He served as a representative for the towing tank of Seoul National University and actively participated in ITTC. He made contributions by presenting written discussions at the 11th, 15th, 16th, and 17th ITTC.

He attended Seoul National University and received his B.S. degree in naval architecture in 1950 and Ph.D. degree in naval architecture in 1969. His teaching career started early in 1952 as TA until 1954. He stayed at the Massachusetts Institute of Technology as a visiting fellow at the Department of Naval Architecture and Marine Engineering for one year beginning 1956. His academic career started as a lecturer

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at the Department of Naval Architecture, Seoul National University from 1954 to 1959. He became an assistant professor in 1959 and then an associate professor in 1961, and professor in 1969. He retired in 1993. Then he became a professor emeritus. He was a visiting professor at the Department of Naval Architecture, The University of Tokyo for one year from 1976 to 1977.

Professor Hwang was a pioneer in ship hydrodynamics research and education in Korea. Early in his life, he played a leading role in setting up the ship hydrodynamics research program in the Department of Naval Architecture and Ocean Engineering, Seoul National University. He was the most influential professor on many Korean ship hydrodynamicists. He also made a herculean effort to establish academic ties between Korea and Japan in the field of naval architecture, specifically with the University of Tokyo and Hiroshima University. He organized the Korea-Japan Ship Hydrodynamics Seminar in 1970 as the first international cooperative activity. He served as the 12th president of the Society of Naval Architecture of Korea (SNAK) from 1973 to 1975. During this period, he put much emphasis on interactions with ITTC, ISSC, PRADS and IUTAM.

He published over one hundred research reports and journal papers and four books in engineering mathematics and one in naval architecture. He was elected as a member of the Korea Academy of Arts and Science in 1999. Professor Hwang received many professional honors such as the Outstanding Scientific Achievement Award in 1986 from the Society of Naval Architects of Korea. He received the 'Mokryun Medal' and the 'Moran Medal' from the Government.

He also received the 'Sunggok Award' from Sunggok Foundation.

Prof. Hwang is survived by his wife, Sookhee Kim, four sons, Woonsuk (Prof. in Inha Univ.), Woonkwang (Executive V.P. in LG Electronics), Woonbong (Prof. in POSTECH), Woonjae (Prof. of Korea Univ.), and one daughter, Meeran.

Takao Inui



The Emeritus Professor Takao Inui of the University of Tokyo, Japan went away on 14th September 2012 at the age of 92. He was a chairman of the 18th ITTC executive committee in 1987 (Kobe, Japan). He has achieved a great number of excellent research works in the field of wave resistance. Especially he contributed to the dissemination of bulbous bow for merchant ships. He was the fourth Weinblum lecturer and received a lot of awards including Japan Academy Prize and Japan Culture Prize (Bunkakourousha).

26th ITTC in Rio de Janeiro



The Proceedings are now available on the ITTC website <http://ittc.sname.org>.

News from the Executive Committee

The 27th Executive Committee held its first meeting on 3rd September 2011 in connection with the Rio Full Conference. The second meeting was hosted by MOERI, Korea, in October 2012. A number of new representatives had been appointed such that the members are now:

Stig Sand, Denmark, EC Chair
Mary Williams, Canada, Americas rep.
Suak-Ho Van, Korea, East Asia rep.
Susanne Abrahamsson, Sweden, Northern Europe rep.
Daniele Ranocchio, Italy, Southern Europe rep.
Jürgen Friesch, Germany, Central Europe rep.
Masashi Kashiwagi, Japan, Pacific Islands rep.
Antonio Fernandes, Brazil, 26th Conference Chairman
Gerhard Strasser, Austria, AC Chairman
Aage Damsgaard, Denmark, ITTC Secretary

At the first meeting, the EC endorsed the revisions made to the technical committee Terms of Reference, incorporating comments made at the Full Conference. It was further agreed that the Quality Systems Group should be given the task to maintain a wiki-version of the ITTC Symbols and Terminology. The final Terms of Reference for the technical committees are posted on the ITTC website.

As the number of universities seeking membership of the Advisory Council (AC) has been increasing, and as the AC was originally formed as a forum for the organisations primarily offering commercial services, EC decided to review the Rules regarding the qualifications for EC membership. Until this has been completed and revised Rules adopted, EC will suspend the admission of new AC members.

An increased involvement of ITTC in IMO matters is foreseen, in particular in relation to the EEDI regulations and matters following from those. EC therefore decided that the AC Chairman, Gerhard Strasser, is appointed to represent ITTC at IMO on EEDI matters, and a budget was allocated to cover travel, board and lodging in connection with IMO meetings.

The second EC meeting followed up on some of the above subjects and agreed on the proposed wording of the requirements for AC membership to be proposed for adoption by the 27th Full Conference. As a consequence, the questionnaire used for review of AC membership was revised and will be unofficially tested during this term.

The final accounts for the 26th ITTC were presented and approved. They showed a net result for the 26th term of 11,325 USD and total equity capital of 51,407 USD.

EC approved the change of membership of the Seakeeping Committee. Dr. WU Chengsheng, CSSRC was accepted as replacement for Dr. Miao, who is resigning from CSSRC. In this connection, EC decided to revise the form of CV for candidates to technical committees.

The terms of the EC working group on technical committee planning was changed to also include foresight issues, and the membership was adjusted such that it is now chaired by Friesch and members are Kashiwagi, Van and Strasser.

The venue for the 28th Full Conference was discussed. It shall be held in the East Asia region, and two candidates were identified, MOERI and CSSRC. A decision shall be made at the next EC meeting based on presentations by the candidates.

A dispute had arisen at the AC meeting in relation to the procedure followed in connection with the submission of a revised sea trial analysis procedure to IMO. Due to time constraints, a proper review of the procedure had not been possible, and some AC members disagreed with the procedure which was submitted. As a result of this dispute, the EC Chair was given the task to produce a procedure for handling such situations in the future.

27th Conference Organisation

The 27th ITTC Full Conference will take place in Copenhagen, Denmark, 31st August to 6th September, 2014. Practical preparations for the conference are well under way, and the website for the conference is expected to open during the first quarter of 2013. Financial support has been obtained from a number of organisations, so the registration fee is expected to be held at a very reasonable level.

The venue will be the Danish Engineering Society's premises on the waterfront. Social arrangements are expected to include reception in the Tivoli Gardens, reception at the Copenhagen City Hall, Banquet at the Royal Opera House, visit to the Viking Ship Museum and the city of Roskilde. The accompanying person's programme is still under consideration. Finally, a number of post conference tours are being considered, one of them an exquisite tour to Ilulissat, Greenland.

The conference organisers have made an Official Airline Agreement with SAS which offers special discounts to persons travelling to and from the conference.

Much more will follow on the conference website, which will be accessible via a link on the ITTC website.

News from the Advisory Council

The 27th ITTC Advisory Council held its first meeting hosted by MOERI, Korea, in October, 2012. Two main items were on the agenda, review of the progress reports submitted by the technical committees, and the ITTC activities in relation to IMO and work on the EEDI.

In general, it appeared that the work of the technical committees was well under way. However, it was also obvious from the review of the progress reports that a larger effort has to be made by the AC to introduce the TC Chairs to the working procedures laid down in ITTC Recommended Procedure 1.0-03. Very few committees appeared to have understood the task regarding review of existing procedures and preparation of new procedures, and

the review process related to this. A kick-off meeting was arranged for the new TC Chairs at the Full Conference in Rio, with the objective of giving them a thorough introduction to the work procedure for the committees. This effort had apparently not been sufficient, so other ways to give the committees a hot start and promote the cooperation with AC have to be considered. One way to do this could be to change the format of the progress reporting.

With regard to the EEDI work at IMO, the new Specialist Committee on Performance of Ships in Service had, among others, been given the task to revise the two parts of the Speed and Power Sea Trial procedure, taking into consideration the STA-JIP work made available to the committee by MARIN and STA-JIB partners. The revision of part 2, analysis, caused some disagreement in the committee, and the AC Chairman, who had been appointed by the EC as representing ITTC at IMO on these matters, had to intervene in the committee's work and take over the finalisation of the procedure such that it could be submitted in time for the IMO MEPC meeting. This left very little time for the usual AC review of the procedure, and not sufficient to resolve the disagreement, which also occurred among AC members. It was left to the EC to decide how to solve such conflicts.

ITTC involvement in EEDI matters

This period, ITTC has formed the Specialist Committee on the Performance of Ships in Service (PSS) with the specific purpose of making an impact on the EEDI regulations being developed by IMO. The reason for this is that the new regulations in this field may have a great impact on the work of the commercial ITTC member organisations.

The IMO activities take place in the Marine Environment Protection Committee (MEPC), and the Executive Committee has appointed the AC Chairman to represent ITTC in this forum.

At MEPC 63 held in March 2012, ITTC had two submissions, one presenting the entire complex of ITTC procedures relevant to EEDI, the other introducing the PSS committee and announcing that ITTC would produce and submit updated procedures for speed and power sea trials. The involvement of ITTC was rec-

ognised in the report on MEPC 63 and ITTC's test procedures were referenced as the approved procedures whereas the sea trial procedures were accepted as an alternative to ISO 15016.

At MEPC 64 in October 2012, ITTC submitted the updated sea trial analysis procedure and proposed that this should replace ISO 15016. MEPC advised ISO to issue a revised 15016 taking into account the ITTC procedure, and the ITTC procedure was identified as the preferred procedure by a majority of the delegates. Delegates of Japan and Korea objected, with the support of a few other delegates.

MEPC 65 will be held in May 2013, and it is the intention to submit the updated part 1 of the sea trial procedure.

In addition, ITTC has been invited by ISO to join the ISO work on updating 15016.

SIMMAN 2014

Workshop on Verification and Validation of Ship Manoeuvring Simulation Methods

Following up on the first SIMMAN workshop in 2008, the second workshop is now scheduled to take place in 2014. The purpose of the workshop is to benchmark the capabilities of manoeuvring prediction methods through comparisons with towing tank results for tanker, container, and surface combatant hull form test cases. The KVLCC2 tanker, the KCS container and the DTMB 5415 frigate hull forms will be used as benchmark ships. Similar to the workshop in 2008, a variety of methods are available for predicting force and trajectories. Among these methods are also CFD predictions, which have made large progress over the last years. Comparing results obtained with the various prediction methods to each other and to experimental validation material will reveal insight into their strengths and weaknesses.

In addition to the deep water manoeuvres, SIMMAN 2014 will also focus on manoeuvring in shallow water. New free sailing and captive model tests have been conducted.

Captive model test data will be available for the participants in order for them to simulate both deep and shallow water manoeuvres.

The workshop will be hosted by FORCE Technology in Denmark in spring 2014. The exact date will be announced later. It is organized by FORCE, MARIN and IIHR with assistance and support from the 27th ITTC Manoeuvring Committee. More information about the workshop will be posted on www.simman2014.dk, which will be opened beginning of February 2013.

Claus D. Simonsen, Chairman of the SIMMAN 2014 organizing committee.

CFD Workshop in Ship Hydrodynamics

Planning of the next CFD Workshop in Ship Hydrodynamics has been initiated. This workshop is dedicated to the comparison of numerical predictions of ship flows by up-to-date CFD methods and will be the latest one of the series of workshops of the same objective, i.e. Gothenburg 2010, 2000, 1990 and 1980 and Tokyo 2005 and 1994. The date and venue of the new workshop are tentatively set to 2-4 December 2015 at the National Maritime Institute, Tokyo, Japan. Some test cases of the previous workshop will remain, but there will be a greater emphasis on captive and free running self-propulsion and advanced seakeeping cases along with local flow including appendages and propulsors with focus on turbulence variables.

In December 2011 a Steering Committee for the CFD Workshops in Ship Hydrodynamics was formed. Its primary responsibilities will be to select the organizer and venue of the next workshop, to define the test cases and to coordinate campaigns to obtain more data. Support will also be given to the local Organizing Committee in the organization of each workshop. The members of the Steering Committee are the organizers of the previous and next workshops (Prof. Lars Larsson, Chalmers and Dr. Nobuyuki Hirata, NMRI, resp.), area representatives of the USA (Prof. Fred Stern, IIHR), Europe (Dr. Michel Visonneau, ECN/CNRS) and Asia (Dr. Jin Kim, MOERI), as well as the chairman of the ITTC CFD Committee (Prof. Takanori Hino, YNU). The Steering Committee will be jointly chaired by Profs. Larsson and Stern.

ITTC website

The ITTC website <http://ittc.sname.org> is regularly updated with information on membership and committees. In order to keep this information updated, it is important to inform the ITTC secretary of any corrections and changes to the data.

Changes in ITTC membership

The following new members have been accepted:

Isfahan University of Technology, Iran, represented by Dr. Ahmad Reza Zamani

Cranfield University, UK, represented by Dr. Maurizio Collu.

Technical University Berlin, Germany, represented by Prof. Andrés Cura-Hochbaum.

ICEPRONAV, Romania, has terminated the ITTC membership because their towing tank is no longer active.

The membership of BAE Systems, UK, has lapsed as the ITTC fee was not paid.

The two Japanese members IHI Corporation and Universal Shipbuilding Corporation have merged to become Japan Marine United Corporation, JMUC. JMUC takes over IHI's seat in the Advisory Council, represented by Dr. Takuya Ohmori who continues as the AC Vice Chairman.

Several members have changed the name of their designated representative or other data on their organisation. The ITTC website is regularly updated with the new names and data.

Changes in ITTC committees

Executive Committee:

The Americas representative. F. Mary Williams, has resigned and has been replaced by Antonio Fernandes.

Advisory Council:

Brodarski Institute, Croatia, has changed their representative to Marta Pedisic Buca.

NRC, Canada, has changed their representative to David Murdey.

The following organisations have been accepted as AC members by the 26th Executive Committee:

LabOceano, Brazil, represented by Dr. Marcelo Neves

École Centrale de Nantes, represented by Dr. Pierre Ferrant

Pusan National University, represented by Prof. Ho-Hwan Chun

Seakeeping Committee:

Dr. WU Cheng-Sheng, CSSRC, replaces Dr. Miao.