

# The Executive Committee

## Final Report and Recommendations to the 26th ITTC

### 1. INTRODUCTION

The Executive Committee (EC) is responsible for implementing the decisions of the prior full conference, and for presenting recommendations to the following conference. The EC reviews and makes decisions on membership in the ITTC and on the location and organization for future full conferences. The EC works closely with the organizers of the next conference to ensure an effective delivery of information from Technical Committees and Working Groups.

The EC works in conjunction with Advisory Council (AC). The EC reviews and endorses the recommendations of the AC on material to be presented to the full conference.

### 2. OBITUARIES

#### OBITUARY

#### **Peter Atanassov Bogdanov**



Dr. Peter Bogdanov, founder and first Director of the Bulgarian Ship Hydrodynamics Centre -Varna, passed away on 20th July 2010 at the age of 76.

Dr. Bogdanov received his MSc. degree in Naval Architecture at the Naval Academy in St. Petersburg, Russia, in 1957 and was appointed at Varna Shipyard afterwards.

He has been one of the founders and, later on, Deputy R&D Director of the newly created in 1962 Bulgarian Ship Research Institute.

In 1972 he received his PhD degree.

Peter Bogdanov had a strong personality, exceptional working capacity, believe and ambitions. Since 1966 he concentrated his professional activities toward creating of the Bulgarian Ship Hydrodynamics Centre by involving UNDP, IMO and Bulgarian Government into the financial and technical support of Centre creation and staff training. He stimulated the creation and growth of the BSHC team of scientists and specialists, which in very short terms brought it into an Institution of national as well as international recognition among professional society.

Dr. Bogdanov is the person who introduced BSHC into the ITTC community. He was a member of the 15-th, 16-th, 17-th, 18-th and 19-th ITTC Advisory Councils.

Dr. Bogdanov had considerable contribution in organizing largely populated international scientific events such as IMAM'78, CADMO'86, PRADS'89, HADMAR'91, IMAM'93, MARIND'96, STAB'97, MARIND'98.

Dr. Bogdanov is a founder of Varna Free University in 1991 and its first Rector.

For his considerable contribution to the Bulgarian economy and science Dr. Bogdanov

has been awarded with high state prizes and orders.

## OBITUARY

### Seiji Takezawa

Seiji Takezawa, Professor Emeritus of Yokohama National University Japan, passed away by cerebral infraction on Sep. 5, 2010, aged 82. He served as the member of ITTC : 15<sup>th</sup>, 16<sup>th</sup> and 17<sup>th</sup> ITTC Seakeeping Committee and 19<sup>th</sup> and 20<sup>th</sup> ITTC Executive Committee. He was one of the leader of the seakeeping research field and made outstanding contributions to ITTC activities.

After he graduated from University of Tokyo at the Department of Naval Architecture in March 1951 he proceeded to the post graduate course of the same university and finally entered in the Defence Agency of Japan on September 1954. He moved to the Department of Naval Architecture of Yokohama National University (YNU) on October 1963, as the associate professor. He became the professor of YNU on April 1974, and retired on March 1993.

In the maritime field in Japan he was a leader especially in the field of seakeeping research having the base of ship resistance field. He served many chairmen of the technical committees in the Ship Building Society of Japan and served the President of the Society of Naval Architects of Japan during 1989-1991.

He started his research work in the field of ship resistance as a student of Professor Emeritus Takao Inui at the University of Tokyo. In the day of the Defence Agency, he developed many experimental facilities and carried out series tests of radio-controlled large-scaled running model ship in the outside pond including ship manoeuvrability. He got the title of doctor of engineering by the research about the large bulbous bow of high speed ship.

During the professor of Yokohama National University, he constructed 100-meter length towing tank and developed many epoch making facilities and techniques for experiments. Firstly he developed the high-precision wave generator and completed the method of so called Transient Techniques using the Transient Water Waves.

He also developed multi directional wave generator for long tank utilizing side wall reflection, developing the laser beam type directional wave probe and carried out many experiments about ships and offshore structures in directional waves for the evaluation of related theories.

Other than tank experiments, he carried out on board measurements developing the "measuring container". This will be the memorial large project in the world. By the research publication he received awards from the Society of Naval Architects of Japan (SNAJ), and also received Yoshiki Award for long-term contributions to the development of shipbuilding technologies. Furthermore he received the awards "Transportation and Culture" from the Minister of Transportation of Japan.

Professor emeritus Seiji Takezawa was also a man of encouraging and educating about one thousand of students.

## OBITUARY

### George Remery

After a period of illness George Remery, the former President of MARIN, sadly passed away on September 20<sup>th</sup> 2011.

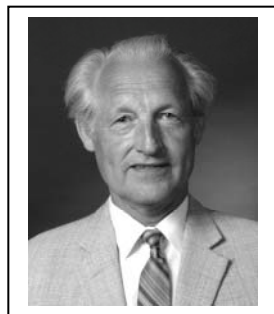
In the early seventies George started his career at MARIN working in the Offshore Department for a period of nine years. In this pioneering stage of offshore hydrodynamics he performed groundbreaking research on wave drift forces. He later left MARIN to work for

SBM in Monaco but MARIN always remained in his heart

George was a member of MARIN's Supervisory Board from 1993 until he became President of MARIN from 2000 until 2005. In this difficult period for MARIN, George, with great enthusiasm and entrepreneurship, turned MARIN into a more professional organization and firmly positioned MARIN in both the national and international maritime industry. The MARIN Stakeholders Association, initiated by George, is still a unique public-private cooperation that promotes links between government, industry and MARIN. Under his leadership the foundation for the strong and modern MARIN seen today was laid.

## OBITUARY

### Dr. Nils H. Norrbín



Dr Nils H. NORRBIN died on April 18, 2011 at the age of almost 85. After graduating from the Chalmers University of Technology in 1949 he was first employed in the marine division of the Swedish Defence Material Administration. In 1955 he moved to SSPA, where he stayed until his retirement in 1991, except for one year (1971-1972) as visiting professor at MIT. After retirement he continued to do some consulting work on ship manoeuvring.

Nils had a profound knowledge of ship hydrodynamics and his main interest was the manoeuvring of ships. His contributions in this topic was both on the theoretical development of mathematical models and experimental work to gain further insight of the manoeuvring characteristics of ships. He was deeply involved in the development of both building

up computing and experimental facilities at SSPA, The first manoeuvring simulator– based on analogue computers – was thus on his initiative set up at SSPA in 1964 and included also a front view from the bridge (albeit a rather simplified), which was one of the first dedicated for ships. As the reliability of using simulations for predicting ship's manoeuvring behaviour is crucially dependent on the formulation of the mathematical model and the coefficients in the model, Nils early saw the necessity of having experimental facilities adapted for establishing these coefficients in model tests, but also the importance of relating such test results with full scale results. The Maritime Dynamics Laboratory (MDL) at SSPA owes much of its design to Nils as he also advocated the importance of establishing the influence of restricted waters (depth and width) on the manoeuvring characteristics. Thus MDL (completed in 1980) was adapted both for testing in shallow water and restricted fairways – and in addition also suitably for manoeuvring tests in waves. Nils's theoretical and experimental work on ship manoeuvring resulted in a Ph D dissertation in 1971.

Nils had many international contacts and was an established authority on manoeuvrability, and his expertise was utilized in international context by for example IMO, PIANC and ITTC. He was in 1960 one of the founder members of the ITTC manoeuvrability committee where he stayed until 1975, 1969-1972 as secretary and 1972 – 1975 as chairman.

Nils also educated several new-comers to SSPA on both theoretical and experimental ship hydrodynamics, especially as regards manoeuvrability and his legacy is still an important foundation for manoeuvrability studies at SSPA. Personally I will remember his kind way of giving me advice and criticism when I was a “youngster” at SSPA in the 1960s.

Willem van Berlekom

### 3. COMMITTEE MEMBERSHIP

The membership of the Executive Committee was established at the 25th Conference in Fukuoka, Japan.

Chair: In-Young Koh (USA - Americas Representative)

EC Vice-Chair and 26th Conference Chair: Antonio Fernandes (Brazil)

EC Secretary: Marcelo Neves (Brazil)

#### Area Representatives:

Zhenping Weng – China, East Asia

Susanne Abramhamsson – Sweden, Northern Europe

Arne Hubregtse – Netherlands, Central Europe

Ulderico Bugarelli – Italy, Southern Europe

Yasuyuki Toda – Japan, Pacific Islands

#### Ex-Officio Members:

Past EC Chair: Takeshi Kinoshita

AC Chair: Gerhard Strasser:

ITTC & AC Secretary: Aage Damsgaard

For this conference only, Secretarial duties were shared between the EC Secretary and the ITTC Secretary, with the EC Secretary taking care of conference business and the ITTC Secretary supporting the EC Chair in ITTC matters. After the first meeting of the EC, In-Young Koh retired as Chair and was replaced by Stu Jessup of USA, the newly elected Americas representative. After the second meeting, Stu Jessup also retired, and was

replaced as Chair and Americas representative by Mary Williams, Canada.

Daniele Ranoccio (Italy) took over as Southern Europe representative at the second meeting, following the retirement of Ulderico Bugarelli. Jürgen Friesch (Germany) was appointed Central Europe Representative when Arne Hubregtse left MARIN.

### 4. COMMITTEE MEETINGS

The EC held a preliminary meeting on the last day of the 25th conference in Fukuoka. The first formal meeting was held in Istanbul in September 2009. Subsequent meetings took place in Rio de Janeiro in September 2010 and in Vienna in March 2011, all in conjunction with AC meetings. The EC of the 26th conference is scheduled to hold its last meeting immediately prior to the start of the conference in Rio de Janeiro.

### 5. COMMITTEE DECISIONS

#### 5.1 Working Groups

At the preliminary meeting, the EC adopted the conference suggestions to establish working groups in ice and in global warming. The EC added a third committee, with the task to examine the structure of technical committees. The membership of the third committee was named as Gerhard Strasser (Chairman), Arne Hubregtse, Mary Williams, and an AC representative from East Asia or Pacific Islands areas, to be appointed by Zhenping Weng. These working groups presented status reports to the Istanbul meeting of the AC, and the EC requested a report for the 26th conference. It was later decided that the EC working groups would be covered in the EC report to the conference. The Global Warming group was closed due to lack of interest among ITTC members. The Ice group proposal for work to be assigned to a future

was accepted. The third group will continue as the Working Group on Technical Committee Planning, with membership of Gerhard Strasser, Bas Buchner and Mary Williams.

## 5.2 Finances

The EC approved the final accounts for the 25th conference at the 2009 meeting.

As of the 2009 meeting, 20 ITTC members were late in payment of membership fees. Reminders sent by the ITTC Secretary to organizations and to area representatives resulted in payments of most of the outstanding accounts. Eventually the EC Chair sent individual requests to the last three delinquents, and by the time of the 26th conference, all but one had paid.

Thanks to an accumulating positive balance and a substantial surplus transferred from the 25th ITTC, the organization is financially healthy.

## 5.3 Venue for the 27th Conference

Two Northern Europe organizations, CTO, Poland, and FORCE Technology, Denmark, expressed interest in hosting the conference. Both organizations gave presentations to the EC at the Rio de Janeiro meeting. Based on these presentations, the EC decided to recommend to the 26th Full Conference that the 27th Conference shall be held in Denmark, organised by FORCE Technology.

## 5.4 Structure and Content of 27th Conference

At the Vienna meeting, EC endorsed the recommendations from the AC meeting concerning the new and revised ITTC Procedures, the committee structure of the 27th ITTC, the Terms of Reference for new committees, the Group Discussions at the

Conference, and the nominated ITTC Secretary for next period.

## 5.5 IMO, CESA, and EEDI

CESA (Community of European Shipyard's Associations) requested that ITTC consider a joint submission on EEDI (Energy Efficiency Design Index) to the next IMO MEPC meeting in March 2010. The EC decided that ITTC should make an independent submission, and requested Jürgen Friesch, HSVA, to write a first draft. EC also considered how ITTC could participate in the IMO working group. Subsequent interactions have been quiet. The EC recommends that the EC for the next period further explore ways to engage with IMO.

## 5.6 Membership in the ITTC Advisory Council

As part of its normal process, the EC reviewed the membership status of a section of its Advisory Council membership list. Based on information provided by the organizations, the EC approved the continuing membership for the following organizations: Australian Maritime College, Schiffbautechnische Versuchsanstalt Wien, National Research Council of Canada – IOT, Shanghai Jiao Tong University – School of Naval Architecture and Ocean Engineering, FORCE Technology, VTT, Schiffbau Versuchsanstalt Potsdam, INSEAN, IHI Corporation, Mitsubishi Heavy Industries, Hyundai Heavy Industries, MOERI, MARIN, Ship Design and Research Centre (CTO), CEHIPAR, Newcastle University, and QinetiQ. A new member application from Pusan University was considered and a decision postponed until a completed membership application form would be provided.