

PREFACE

It is my privilege and pleasure to welcome the 18th International Towing Tank Conference again to Japan. The 18th ITTC comes again after a 21 year interval when the 11th ITTC (1966) was held in Tokyo.

For the 11th ITTC Dr. Masao Yamagata was the Chairman of the Japan Organizing Committee and Dr. Masao Kinoshita served as the Chairman of the Executive Committee while I served the Resistance Committee as well as the Printing Committee for the Japan Organizing Committee. On this occasion, we regret that Professor Yamagata has passed away. Yet we are honoured that Dr. Kinoshita served as Chairman of the Japan Organizing Committee.

The growth of the ITTC is impressive. At the 11th ITTC hold 21 years ago, we had 150 attendees including 70 visitors from abroad representing 28 countries. For the 18th ITTC we have sent 340 official invitations. We have invited 240 foreign delegates and observers representing 32 countries.

I would like to say that we warmly welcome all the attendees. I am sure you will agree that during the last 21 years, the ITTC has always been kind and open to new comers. This has been important since the number of the Member Organizations in the East Asia Area has more than doubled from 10 to 25 members. From the 11th to 18th ITTC our records show that : China has increased from 0 to 6, Korea from 1 to 3, and Japan from 9 to 16. In this connection we consider that our responsibility as the host country for the 18th ITTC has also doubled. We sincerely hope to put our best effort in the coming Conference.

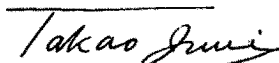
Reflecting on changes, it is sad to note that since the Göteborg Conference of the 17th ITTC (1984), three leading senior members, Prof. Dr. Ir. J.D. van Manen, Dr. H. Lindgren, and R. Adm. P. O'Dogherty, have retired from the Executive Committee. In parallel with this change of generation, we have introduced a minor restructuring of the existing Technical Committees. The functions of the Information Committee have been divided into the three parts (a) Secretariat Group, (b) Symbols and Terminology Group, and (c) Edition of the ITTC Newsletter.

Another important addition has been the establishment of a Working Group on Validation Techniques by the Advisory Council. This activity is expected to become a driving force for the "inside" restructuring of the ITTC in a near future.

The Reports of the Executive and Technical Committees as well as of these Working Groups published in this volume - Vol.1 of the 18th ITTC Proceedings - contain a thorough and detailed analysis of the present-day state of the problems in the areas of ocean engineering and marine hydrodynamics. These Proceedings include recommendations on the future activities to be pursued by each Member Organization and each Technical Committee. On behalf of the Executive Committee, I wish to express our thanks to the Chairmen, Secretaries and all the Members of the Technical Committees and Working Group for their tremendous efforts in preparing these reports. I hope that these Committee reports, along with the discussions at the Conference, will made a worthy contribution in marine technology research which is the fundamental aim of our Organization.

Apart from the ITTC technical activities, I also hope that the 18th ITTC Conference in Kobe will provide all attendees an opportunity to continue international co-operation and friendship which will help link scientists from different countries and parts of the world in future years.

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Takao Inui
Chairman of the 18th ITTC
Executive Committee