

# **A Brief History of the ITTC**

by

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# INTERNATIONAL TOWING TANK CONFERENCE

- \* The ITTC is a Voluntary Association of Worldwide Organizations that have Responsibility for the Prediction of the Hydrodynamic Performance of Ships and Marine Installations Based on the Results of Physical and Numerical Modeling.
- \* It is **not** a Conference for Presentation of Scientific Papers.

# Origin of the ITTC

- \* Originator of ITTC was Edmund Telfer a Naval Architect in London.
- \* Telfer persuaded his ship owner friend, John (Giovanni) de Meo, to bring the leading Tank Superintendents together for “Terminology” & “Test” Standardization.
- \* John de Meo made a strong plea for International Technical Co-operation in the Field of Ship Performance Prediction from Model Tests at the “International Hydro-Mechanical Congress” in Hamburg in 1932.

# International Conference of Tank Superintendents

## The Beginning

1933 – L. Troost of Wageningen Tank invited Tank Superintendents for First Meeting in the Hague.

- First Step in Reaching Agreement on Standard System of Publication of Tank Results.

- 22 Delegates from 15 Organizations Attended

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# International Conference of Tank Superintendents

- \* Other Meetings Held in 1935, 1937, 1948, 1951 and 1954.
- \* 1948 - First Technical Committees Established - Cavitation, Propeller & Skin Friction. Standing Committee Established (Later, Controlling Body then Executive Committee).
- \* 1951 – 3-Year Period between Meetings Established
- \* 1954 – Name Changed to the ITTC

# International Towing Tank Conference

## Significant Developments

### 1963 - 10<sup>th</sup> Conference - Teddington

- \* English Made Official Language.
- \* Membership Open to All Towing Tanks with Direct Responsibility to Ship Builders, etc.
- \* Controlling Body Formed from the Superintendents of Each Member Organization.

# International Towing Tank Conference

## Significant Developments

### \* 1969 - 12<sup>th</sup> Conference - Rome

- \* Controversy over Seating of Delegates.
- \* List of Member Organizations Cancelled.
- \* Concern of Larger Towing Tanks Over Technical Committee Recommendations.
- \* Need Redefinition of Membership.

# International Towing Tank Conference

## Significant Developments

### 1972 - 13th Conference - Berlin/Hamburg

- \* Organization Redefined. Controlling Body Authority Abolished.
- \* Advisory Council Formed of Larger Tanks.
- \* Executive Committee Formed of Chairs of the Geographical Areas (America, East Asia, Eastern Europe, Northern Europe, Southern Europe, Scandinavia and United Kingdom).



# International Towing Tank Conference

## Significant Developments

- \* 1990 - 19<sup>th</sup> Conference. Korea and China Concern over Lack of Membership on Technical Committees.
- \* 1993 - 20<sup>th</sup> Conference, Need to Revise Rules:
  1. Change in Technology (Emergence of Numerical Modeling) .
  2. Emergence of ISO and Quality Standards.
  3. Change in Member Organizations and
  4. Change in World Situation. New Geographical Areas Defined: America, Central Europe, East Asia, Northern Europe, Pacific Islands, Southern Europe.

# International Towing Tank Conference

## Significant Developments

- \* 1996 - 21<sup>nd</sup> Conference, Bergen/Trondheim
- \* New Committee Structure.
- \* 2002 - 23<sup>th</sup> Conference, Venice
- \* Publication of First Recommended Procedures.
- \* 2005 - 24<sup>th</sup> Conference, Edinburgh
- \* Establishment of Membership Fees & ITTC Secretary, Systematic Registration of Membership.
- \* 2008 - 25<sup>th</sup> Conference, Fukuoka
- \* Rules Updated and Revised for Consistency.

# International Towing Tank Conference

- \* The Number of Attendees Have Grown from 22 Delegates from 15 Organizations in 1933 to over 130 Delegates from 70 Organizations with a Total of over 200 Attendees.
- \* The Concern of Telfer & de Meo on “Terminology” & “Test” Standardization has been Achieved.
- \* 27<sup>th</sup> Now in **Copenhagen**.