

# SOFTWARE SOLUTIONS FOR MARINE VESSEL SPEED, POWER PREDICTION, PROPELLER DESIGN AND ANALYSIS AND REPAIR



Mr. Adam Kaplan

Institute of Marine Engineers of India- Mumbai Branch, in association with Hydrocomp Inc USA, Red Offshore Industries Pte Ltd, and The US Consulate-Commercial Services, conducted a Technical Seminar on 25th April 2017 at the Mumbai Cricket Association premises, Mumbai.

Mr Rajeev Nayyer- Chairman Mumbai Branch opened the session by welcoming the delegates and highlighting the various activities of the Institute and also the relevance of the topic of the seminar. Mr. Thomas L. Vajda, Consulate General of the USA graced the occasion and in his speech he welcomed all, and formally introduced HydroComp Inc. to the delegates.

Mr. Adam Kaplan, Sr. Project Engineer, delivered his presentation which covered various case studies and also the unique features and solutions provided by the Software systems developed by Hydrocomp Inc. The session provided an overview of HydroComp's software packages for ship resistance prediction, propulsion analysis, and propeller design tools. Several case studies were presented that demonstrated the application of these tools. The case studies included the forensic study of a 97m shallow draft ferry that had lost low-speed manoeuvrability, the analysis and implementation of a bulbous bow retrofit for a 1966 year built, EPA research vessel to reduce fuel consumption, and the

sizing and geometric design of a new propeller for a 86 T fishing trawler.

Each of the topics were followed by highly interactive Q/A sessions, covering software, design and commercial related areas, and were handled in a detailed manner by Mr Adam Kaplan.

Delegates at the seminar included members of the Institute of Marine Engineers and the Institute of Naval Architecture along with many Maritime Industry veterans. The seminar ended



Mr Rajeev Nayyer

with a presentation of Memento to Mr Adam Kaplan and Miss Elizabeth McCrary (Marketing Coordinator-Hydrocomp Inc) and a vote of thanks by Mr. Pravin Kirolikar- Chairman Navi Mumbai Chapter.

## Call for donations for IMEI Building Fund

Construction work has commenced to add the third floor to the existing two floors to the IMEI building in Nerul. This will give the Institute space to increase classrooms and labs for its Training and Learning activities.

It is a matter of great pride that the current building was built purely from contributions by its members. To fund the expansion we are once again reaching out to our members and Corporates. We seek your generous contributions. IT deductions can be claimed under section 80G.

Members who wish to contribute as Project Managers to oversee the construction activities may also contact the undersigned.

Any contribution in cash or kind will be gratefully acknowledged.

Donation towards Building Fund received in March 2017 onwards -

**Mr R D Sharma - M 947 Rs. 10000/-, Mr Raymond Mendes-F 6607 - Rs. 20000/-, Mr K. S. Murty - F 1332 Rs. 1,11,116/- and Mr Bhagwat Kumar Rs.50,000/-**

Cheque in favour of The Institute of Marine Engineers ( India) Bank details for making the payment through NEFT

Name of the account - The Institute of Marine Engineers (India)

Name of the Bank - IDBI Bank

Savings Bank account No - 244104000013165

IFSC Code - IBKL0000244