

COMMITTEES

Standing Committee

- Dr. Mehmet Atlar (University of Strathclyde)
- Dr. Sander Çalıřal (UBC and Piri Reis University)
- Dr. Atilla İncecik (University of Strathclyde)
- Dr. Barbaros Okan (ITU)
- Dr. Öner řaylan

Technical Committee

- Dr. David Clarke (University of Newcastle)
- Dr. Odd M. Faltinsen (NTNU)
- Dr. Kazuhiko Hasegawa (Osaka University)
- Dr. Kadir Sariöz (ITU)

Local Organizing Committee

- Dr. D. Bülent Danıřman
- Dr. Ömer Gören (Chair)
- Mr. M. Cansın Özden
- Mrs. Hayriye Pehlivan
- Dr. Burcu Ünal (Secretary)



Prof. A. Yücel ODABAŐI (1945-2009)

Professor OdabaŐı, a graduate of ITU (1967), earned his Ph.D. degree from the same university in 1971. Following his Ph.D., he joined Strathclyde University where his work on the application of Lyapunov's theory to ship stability gained him a well-deserved international reputation which was acknowledged by STAB Award in 2012 post mortem. In 1974 he joined BSRA where he worked on every field of ship hydrodynamics and made significant contributions, in particular in the field of wake scaling. In 1988 he moved to USA to set up BMT International as its first director and CEO. He returned to ITU-Turkey in 1991 where he inspired a generation of young academics while at the same time succeeding to lead Turkish Lloyd to worldwide recognition. He was awarded the gold medal of NECIES-UK and numerous awards from NAVSEA, SNAME and BSRA.



A. Yücel ODABAŐI Colloquium Series

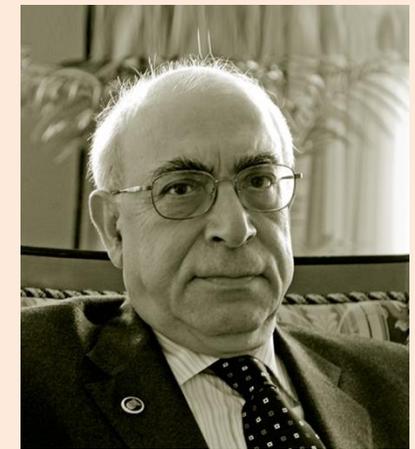
2nd International Meeting

on

Recent Advances in Prediction Techniques for Safe Manoeuvring of Ships and Submarines

17-18 November 2016

*Istanbul Technical University
Faculty of Naval Architecture and
Ocean Engineering*



First Announcement and Call for Papers

PREAMBLE

As a tribute to the late Professor A. Yücel Odabaşı's (1945 – 2009) life-long endeavours in promoting the science of Naval Architecture and in particular Naval Hydrodynamics, a biennial international colloquium aiming to focus on a different theme on each occasion, gathering specialists from around the world, was organized. First of these colloquiums was held in 2014 at Istanbul Technical University and concentrated on the subject of propeller noise and vibrations. The second colloquium is now scheduled to take place in November 17-18, 2016. The theme of the second colloquium is selected as '*Recent Advances in Prediction Techniques for Safe Manoeuvring of Ships and Submarines*'. The goal of this colloquium would be to create a platform where the recent developments in experimental and computational methods for predicting manoeuvring performance of surface vessels and submarines are discussed and new opportunities for collaborative research are sought.

KEYNOTE SPEAKERS

Prof. Odd M. Faltinsen of NTNU Norway and **Prof. Kazuhiko Hasegawa** of Osaka University Japan, world-wide renowned academicians on hydrodynamics and on manoeuvring as well, are very kind to give keynote lectures on computational or experimental aspects of ship manoeuvring. Both researchers who are the authors of scientific books and numerous papers will share their vast experience with lectures on the prediction techniques for safe manoeuvring of ships and submarines.

SCOPE

The Second AYO Colloquium covers topics related to experimental and computational methods for manoeuvring performance of surface vessels and submarines, which include, but not limited to the following;

- Free and captive model tests
- Practical application of computational methods to manoeuvring prediction
- Predictions using viscous flow CFD
- Predictions based on system identification methods
- Manoeuvring and course keeping in waves
- Manoeuvring criteria for surface vessels and submarines
- Effects of wind, waves, current and constrained water on manoeuvring performance
- Course keeping of surface vessels in astern
- Experimental flow measurements for CFD validation
- Heeling due to turning
- Controllability of high speed craft

ABSTRACT SUBMISSION and CONTACT

Send abstracts in maximum 300 words to:
Dr. Burcu Ünal
Colloquium Secretariat
Istanbul Technical University
Faculty of Naval Architecture & Ocean
Engineering, Maslak, 34469 Istanbul, TURKEY
Tel :+90 212 285 6377
Fax :+90 212 285 6454
e-mail : ayocol@itu.edu.tr
Web : <http://www.ayocol.itu.edu.tr>

IMPORTANT DATES

Abstract Submission : *June 15, 2016*
Abstract acceptance: *June 25, 2016*
Final Manuscript : *Sept. 30, 2016*
Final Programme & Registration : *Oct. 15, 2016*
Colloquium : *Nov. 17 – 18, 2016*

REGISTRATION

Registration fee : 150 EUR
Students : 75 EUR

Colloquium is open to all interested researchers and academicians. Fee includes digital and hard-copy proceedings, lunches, coffee and colloquium dinner. There will be a limited number of scholarships for students.

PAPER REVIEW

All papers will be reviewed based on the abstracts submitted prior to acceptance. The accepted papers will be included in the colloquium proceedings which will be available in soft and hard copies.

VENUE

Colloquium will be held on 17-18 November 2016 at Istanbul Technical University (ITU), Ayazaga Campus, Maslak, Istanbul, Turkey.