

Joint Workshop on Technologies to Reduce Risks in Shipping

Friday 3rd May 2013, Istanbul, Turkey

Towards zero accident ships

- advances in seakeeping, including parametric rolling; sea loading; and ultimate & fatigue strength predictions
- advances in ship stability and safety predictions
- advances in underwater noise predictions and identification of risks due to noise on marine fauna

Energy efficient shipping

- technologies to reduce resistance and improve propulsion efficiency
- machinery, including alternative fuels and renewable energy; ship operations; and human factors, including training for energy efficient shipping

Ship decommissioning and recycling

- development of improved technologies for extraction, treatment disposal and recycling
- best practise and training

International Organising Committee

- Prof. Dr. Atilla Incecik, *University of Strathclyde, Glasgow*
- Prof. Dr. Ahmet Ergin, *Istanbul Technical University*
- Assoc. Prof. Dr. Ismail Hakki Helvacioğlu, *Istanbul Technical University*
- Ms. Elif Oguz, *University of Strathclyde, Glasgow*
- Mr. Tahsin Tezdogan, *University of Strathclyde, Glasgow*
- Mr. Yigit Kemal Demirel, *University of Strathclyde, Glasgow*
- Mr. Yalcin Dalgic, *University of Strathclyde, Glasgow*

Venue: Istanbul Technical University, Faculty of Naval Architecture and Ocean Engineering
Conference Room

Joint Workshop on Technologies to Reduce Risks in Shipping

WORKSHOP PROGRAMME	
Friday, 3 rd May, 2013	
08:00-08:30	Registration and Networking
08:30-09:00	Opening Session <i>Welcome by Prof. Ahmet Ergin</i> <i>Introduction by Prof. Atilla Incecik</i>
09:00-09:30	"Research Activities on Hydroelasticity and Ship Structures" Ahmet Ergin, Gokhan Tansel Tayyar, Istanbul Technical University, Turkey
09:30-10:00	"Nonlinear Time Domain Seakeeping Analysis of Twin-Hull Ships" Tahsin Tezdogan, University of Strathclyde, Glasgow, UK
10:00-10:30	"Assessing and Minimising Risks to Marine Fauna from Shipping Underwater Radiated Noise" Paula Kellett, University of Strathclyde, Glasgow, UK
10:30-11:00	Tea / Coffee break
11:00-11:30	"Research Works on Computational Hydrodynamics" Sakir Bal, Serdar Beji, Istanbul Technical University, Turkey
11:30-12:00	"Prevention of Parametric Rolling Through Design and Operation" Haipeng Liu, University of Strathclyde, Glasgow, UK
12:00-12:30	"Priority Pollutants in Marine Ecosystems: Case studies in the Istanbul Strait and in Marinas/Shipyards/Shipbreakingyards" Oya Okay, Istanbul Technical University, Turkey
12:30-14:00	Lunch at Kucuk ev Restaurant (on the roof of the Faculty of Civil Engineering)
14:00-14:30	"Research Studies on Ship Emissions" Selma Ergin, Istanbul Technical University, Turkey
14:30-15:00	"Development of Life Cycle Assessment of Ships and Analysis of Time Dependent Drag Performance of Antifouling Ship Coatings" Yigit Kemal Demirel, University of Strathclyde, Glasgow, UK
15:00-15:30	"Operational Measures Towards Energy Efficient Shipping" Charlotte Banks, Ruihua Lu, University of Strathclyde, Glasgow, UK
15:30-16:00	Tea / Coffee break
16:00-16:30	"Probabilistic Approach to Emission Modeling in a Seaway, Effectiveness of Emission Reduction Measures" Mustafa Insel, Istanbul Technical University, Turkey
16:30-17:00	"Sustainable Ballast Water Treatment Plant (EU- FP6 Project)" Fatma Yonsel, Istanbul Technical University, Turkey
17:00-17:30	"University of Strathclyde's Contribution to Ship Recycling Research" Stuart A. McKenna, Rafet Emek Kurt, University of Strathclyde, Glasgow, UK
17:30-18:30	Discussion on future SU - ITU cooperation and plan of action