Preliminary Programme

15 November 2018, Thursday

08:30	**Registration**	
09:00	**Opening and Welcoming Address**	
	Session 1	Chair : M. Atlar
09:15	**Progress in ITU Large Cavitation Tunnel (ITU-CAT)**	***Emin Korkut***
09:45	**Keynote Address 1: Investigation of Scale Effects on Propeller Sheet and Tip Vortex Cavitation Based on Hybrid Simulation Methods**	***Moustafa Abdel-Maksoud***
10:30	**Coffee Break**	
	Session 2	Chair : M. Abdel-Maksoud
11:00	Numerical Study on Characteristics of Cloud Cavitation on a Ship Propeller	*Keun Woo Shin and Poul Andersen*
11:30	Tip Vortex Cavitation Simulation of a Propeller in a Gate Rudder System	*Naz Yilmaz, Serkan Turkmen, Batuhan Aktas, Patrick A. Fitzsimmons, Noriyuki Sasaki and Mehmet Atlar*
12:00	A Study on Cavitation Erosion Resistance of Marine Propeller Materials, Using a Water Jet Test Rig	*Onur Usta, Cagatay Sabri Koksal and Emin Korkut*
12:30	Cavitation Model Tests and Full-Scale Review of the First Gate Rudder System Installed on the 400TEU Container Ship	*Serkan Turkmen, Masaki Fukazawa, Noriyuki Sasaki and Mehmet Atlar*
13:00	**Lunch Break**	
	Session 3	Chair : Y.L. Young
14:00	**Keynote Address 2: Developments in Experimental Modelling of Two-Phase Flows in Naval Hydrodynamics**	***Paul Brandner***
14:45	Challenges in the Optical Design of a Cavitation Tunnel	*Luca Savio, Chittiappa Muthanna and Kourosh Koushan*
15:15	Propulsion Testing in the HYKAT Cavitation Tunnel	*Christian Johannsen*
15:45	**Coffee Break**	

	Session 4	Chair : E. B. Djatmiko
16:15	An Experimental Investigation into Pressure Relieving Holes to Mitigate Propeller Cavitation and Underwater Radiated Noise	*Batuhan Aktas, Naz Yilmaz, Noriyuki Sasaki, Giorgio Tani, Fabiana Miglianti, Michele Viviani, Mehmet Atlar and David Taylor*
16:45	Propeller Effects on Maneuvering of a Submerged Body in Oblique Towing	*Suleyman Duman, Savas Sezen and Sakir Bal*
19:30	**Gala Dinner (Hilton Istanbul Bosphorus)**	

Preliminary Programme		
16 November 2018, Friday		
Session 5		Chair : C. Testa
09:15	**Keynote Address 3: Multi-functional Marine Structures: New Frontiers for Cavitating and Ventilating Flows?**	***Yin Lu Young***
10.00	Full-Scale GATE RUDDER Performance Obtained from Voyage Data	*Masaki Fukazawa, Serkan Turkmen, A. Marino and Noriyuki Sasaki*
10:30	**Coffee Break**	
Session 6		Chair : P. Brandner
11:00	Effectiveness of Boundary Element Method Hydrodynamic Data for Propeller Hydroacoustics	*Claudio Testa, Federico Porcacchia, Luca Greco and Roberto Muscari*
11:30	Computational Investigation of Hydroacoustic Propeller Performance for Non-Cavitating Case	*S.E Belhenniche, Omar Imine and Omer Kemal Kinaci*
12:00	An Investigation of Underwater Ship Noise Utilizing Cavitation Tunnel and Field Measurement	*Endang Widjiati, Eko Budi Djatmiko, Wisnu Wardhana and Wirawan Wirawan*
12:30	Investigation into the propulsive efficiency characteristics of a ship with the GATE RUDDER® Propulsion system	*Noriyuki Sasaki and Mehmet Atlar*
13:00	**Lunch Break**	
Session 7		Chair : N. Sasaki
14:00	Parametric Study of a Pre-Swirl Stator for a Tanker	*Zeynep Tacar and Emin Korkut*
14:30	The Effect of Extreme Trim Operation on Propeller Cavitation in Self-Propulsion Conditions	*Matthias Maasch, Osman Turan and Sandy Day*
15:00	Investigation of Cavitating Marine Propeller Performance Using Blade Element Momentum Theory	*Mehmet Salih Karaalioğlu and Şakir Bal*
15:30	**Coffee Break**	