



INT-NAM 2014

Second International Symposium on Naval Architecture and Maritime

23-24 October 2011, Yıldız Technical University Oditorium, Yıldız, Besiktas, Istanbul

PROGRAM

Thursday, October 23rd, 2014

08:30 - 09:30	REGISTRATION
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09:30 - 09:45	OPENING PLENARY SESSION
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KEYNOTE PAPERS	
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ODITORIUM HALL (U)	09:45 - 10:05	Current Situation and Future Way Out from Crisis Era of Korean and Worldwide Shipbuilding Slump Prof. Dong Myung BAE, Pukyong National University, Busan, Korea
	10:10 - 10:30	Development of Non-Ballast-Water Tankers and Bulkers with Electric Podded Propulsors Prof. Yoshiho IKEDA, University of Osaka Prefecture, Osaka, Japan
	10:35 - 11:05	Optimal Fleet Composition for Marine Transport of Compressed Natural Gas from Stranded Fields Prof. Giorgio TRINCAS, University of Trieste, Trieste, Italy
	11:10 - 11:30	The Role of Simulations in the Offshore Industry Prof. Volker BERTRAM, DNV-GL, Hamburg, Germany
	11:35 - 11:55	Improvement of the Collision Resistance of Ships and its Experimental and Numerical Validation Prof. Wolfgang FRICKE, Hamburg University of Technology, Hamburg, Germany
	12:00 - 12:30	3-D Mapping for the Characterization of the Seafloor Using an Underwater Robot within the MUMAP Project Prof. Rafael GARCIA, University of Girona, Girona, Spain

12:30 - 13:30	<i>Lunch Break</i>
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SESSIONS (Thursday Afternoon , 23 October 2014)	
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ODITORIUM HALL (U)	13:30 - 15:10	OFFSHORE TECHNOLOGIES		EXHIBITION HALL (E)	13:30 - 15:50	SHIPPING	
		Chairmen: R. Nabergoj, H.M.Yang				Chairmen: N. Güler, S. Schweigert	
		Sensitivity of Thrust Efficiency Loss in Dynamic Positioning Predictions	R. Nabergoj, J. Prpić-Oršić, M. Valčić			Ship to Ship Transfer of Crude Oil and Oil Products: Risk Assessment Applying Fuzzy TOPSIS	D. Stavrou, N. Ventikos
		Dynamic Positioning in Early Design Stages	A. Lübcke, S. Krüger			Applications of Life Cycle Assessment in Shipping	S. Chatziniolaou, N. Ventikos
		Shipbuilding Industry of Turkey should approach Offshore Structures as a Strategic Value	A. D. Karaca, A. Taşdemir			LABSKAUS – A Physical Platform for e-Maritime Technology Assessment	A. Stasch, A. Bolles, A. Hahn
		Development of TSEA Software for Predicting High-frequency Acoustic and Vibrational Responses in Vessels and Offshore Structures	H. M. Yang, Y. Park			HAGGIS: A Modeling and Simulation Platform for e-Maritime Technology Assessment	S. Schweigert, V. Gollücke, A. Hahn, A. Bolles
Stability of Subsea Pipeline in Shallow Water	V. Čorić, I. Čatipović, J. Radanović	A Guide Proposal for the Accessibility of Marine Public Transportation Systems	S. Ercoli, E. Ergül, G. Neşer				
		A Flight Control Model for a Ground Effect Vehicle	M. E. Demir, O. F. Sukas				
		An Economic Model for Estimating Maritime Transportation Costs Based On Route Length, Speed and Fullness Ratio	E. Turan, B. Şahin				

15:10 - 15:30	<i>Coffee Break</i>	15:50 - 16:10	<i>Coffee Break</i>
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SESSIONS (Thursday Afternoon , 23 October 2014)	
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ODITORIUM HALL (U)	15:30 - 17:30	ENERGY EFFICIENCY - 1		EXHIBITION HALL (E)	16:10 - 18:10	SHIP STRENGTH	
		Chairmen: M. Şen, A. Parlak				Chairmen: W. Fricke, İ. Bayer	
		The Adaptive Ship Structure - Using Adaptive Stern Faps to improve Vessels' Efficiency Under Off-Design Operational Conditions	F. Roland, M. Krause, T. Wilcke, S. Shu, K.t Frömring, F. Kluwe, A. Wulf, D. Hafermann, S. Vatanen, S. Hänninen			A Study on Strength Analysis of Normal Merchant Ship Collided with Level Ice	D. M. Bae, B. Cao, T. H. Kim
		Performances and Emissions of a Small Size Diesel Powered Generator Fueled with Vegetable Oil and its Water-in Emulsions	V. Saccoccia, M. V. Prati, F. Balsamo, F. De Santis, G. Police			A New Procedure for the Accidental Limit State Design of Tanker Collisions	S. T. Ince, S. A. Youssef, Y. S. Kim, J. K. Paik
		The Waste Recycling Ship Concept - A Turnkey System for Islands and Coastal Megacities	A. Meyer-Bohe			Structural Analysis on the Cruiser Class Sailing Yacht of Korean Style	D. M. Bae, T. H. Kim, B. Cao
		An Approach to Identify the Fuel Penalty due to Fouling based on Onboard Data Monitoring	V. Bertram			Experimental Fatigue Analysis of Butt-welded Joints	B. Bohlmann, T. Köder
The Vessels in Smart Grid Concept	K. Yiğit, A. Karakaş, A. Parlak, M. Uzunoglu	Effect of Element Discretization on Hull Girder Ultimate Strength Estimation Accuracy by Progressive Collapse	H. Ölmez, E. Bayraktarkatal				
Retrofitting Vessels for Optimized Fuel Consumption	H. B. Guimaraes, M. Brenner, H. J. M.	Investigation of Design Loads on Container Ships and Strength Analysis Applications	M. Taşkın, E. U. Yüncüoğlu, A. Özdamar				
		EDUCATION / CULTURE					
		Chairman: B. Bohlmann					
17:30 - 18:10		The Entry of History in Naval Science	M. Corradi				
		A Review on the UNIGE's Collaboration Activities on Research and Teaching	V. Solera				

18:30	<i>Departure for SYMPOSIUM DINNER</i>
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SESSIONS (Friday Morning , 24 October 2014)

ODITORIUM HALL (U)		COMPUTATIONAL HYDRODYNAMICS Chairman: Y. Ikeda		EXHIBITION HALL (E)		ENERGY EFFICIENCY - 2 Chairmen: V. Bertram, A. Meyer-Bohe			
09:00 - 10:40	A Development of High Lift Performance Rudders with Wedge Tail and End Plate Using CFD.	T. V. Nguyen, Y. Ikeda		09:00 - 10:40	Global View on Ship Trim Optimization	R. Kishev, S. Georgiev, S. Kirilova, E. Milanov, S. Kyulevcheliyev			
	Numerical Criteria for VIM Assessment.	R. Kishev, G. Nikolov			Energetic Performance Analyses of Natural Gas Liquefaction Processes	A. S. Karakurt, Ü. Güneş, M. Arda, Y. Üst			
	Numerical Study on Drag Force acting on Flat Plate under Transitional and Irregular Oscillations.	T. Katayama, J. Umeda			Preliminary Analysis for Marine Application of Flettner Rotors	A. De Marco, S. Mancini, C. Pensa			
	Development of a Small Nose to Reduce Added Resistance due to Short Head Waves for a Blunt Ship	Y. Ikeda, Y. Aoyama, S. Ibata, H. V. Ngo, S. Miyake			Energetic Performance Analysis of a Marine Diesel Engine	C. Deniz, Y. Durmuşoğlu, G. Koçak			
	Optimal Geometry for 3D Supercavitating Hydrofoils.	F. Çelik, Ş. Bal, Y. Arkan			Life Cycle Assessment Model Establishment for Ships	L. Bilgili, K. Ünlüencoğlu, U. B. Çelebi			
10:40 - 11:00		Coffee Break			10:40 - 11:00		Coffee Break		
11:00 - 12:30	COMPUTATIONAL HYDRODYNAMICS (cont.)		11:00 - 12:30		PROPULSION Chairmen: O. S. Söğüt, M. Ueno		CODLAW Ship Propulsion Simulation: Performance Optimization by Smart Control		M. Altosole, M. Figari, F. Piastra
	Computational Analysis of Multiphase Ship Resistance including 6-DoF Motion using OpenFOAM.	F. Ertinaz			A Method to Realize Full-scale Equivalent Propeller Characteristics and Speed Using Free-running Model Ship	M. Ueno, Y. Tsukada			
	Prediction of Performance and Cavitation Behavior of Horizontal Axis Marine Current Turbines.	D. Usar, Ş. Bal, M. Atlar		Comparison on Hydrodynamic Behavior of Shape-Adaptive and Rigid Marine Propellers	H Bal, N. Görener				
	Computation of Total Resistance of Ships and a Submarine by a RANSE Based CFD.	Ö. F. Sukas, Ö. K. Kınacı, Ş. Bal		Numerical Investigation of Wake Field Effects on Propeller Performance for Different Ships	S. Ekinçi, F. Çelik, A. Doğrul				
	Direct Numerical Solution of Mixed Convection in Transient, Two Dimensional Laminar Flows in Driven	A. Yıldırım, V. Erözkan, N. Vardar		Electric Propeller Shaft System Torsional Vibration Analysis	M. Beşik, H. Demirel, S. Ekinçi, F. Alarçin				
12:30 - 14:30		Lunch Break		12:30 - 14:30		Lunch Break			

SESSIONS (Friday Afternoon , 24 October 2014)

ODITORIUM HALL (U)		SEAKEEPING / MANOEUVERING Chairmen: A. D. Alkan, J. Umeda		ODITORIUM HALL (U)		DESIGN Chairmen: H. Mutsuda, M. Toman	
14:30 - 15:50	On the Geometrical Non-linearities of the Ship Load Expressions	T. Coppola, M. Acanfora		16:10 - 17:40	Tuning CAD tools to Fit Naval Design Requirements	R. Perez, M. Toman	
	Motion Analysis of 20 ft Semi-Planing Power Boat using Sea Trial Test	H. K. Yoon, E. Seong, N. Kang, I. Sin			Geometric Structures Used for the Automatic Generation of Hull Surface	A. M. Galli, F. Odetti	
	Estimation of Oblique-Wave Parametric Rolling Amplitude Using an Averaging Method	M. Sakai, N. Umeda, A. Matsuda			A Study on Subcontractor Selection Criteria for Shipbuilding Industry	M. Kafalı, M. Özkök, E. Köse	
	On the Roll Motion of a Ship with Passive Anti-Roll Tank in Regular Longitudinal Waves	E. Peşman, H. Ölmez, M. Taylan			Numerical Study on Propulsion and Seakeeping Performance of a Fishing Boat Improving in Bow and Stern	H. Mutsuda, T. Go, A. Ishida, Y. Doi	
	The Investigation of the Motions of an Ellipsoid with Various Length/Beam Ratios in Regular Head Waves	İ. Ö. Erselcan, A. Kükner			Design and Analysis of a Marine Silencer with Numerical and Analytical Methods	A. Kılıçaslan	
	An Investigation of Comfort on Board Calculations for a Passenger Catamaran and a Yacht	F. Çakıcı, Ö. F. Sukas, A. D. Alkan			Concept Design of a Pulsed Jet Underwater Vehicle	M. K. Özalp, A. Kükner	
15:50 - 16:10		Coffee Break			17:40 - 18:00		CLOSING SESSION

(U) Upper and (E) Entrance floors of the Oditorium halls.

18:15 Departure for BOSPHORUS BOAT TOUR

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