



**The 3rd Pan Asian Association of Maritime
Engineering Societies (PAAMES)
and
Advanced Maritime Engineering Conference
(AMEC2008)**

**October 20 - 22, 2008
Makuhari Messe, Chiba, Japan**

April 30th, 2008

Dear colleagues,

Thank you very much for your contribution to the 3rd PAAMES/AMEC2008.

Please find the list of the hotels located near the conference site (Makuhari Messe). You can reach the conference site within several minutes on foot from those hotels. Please make the hotel reservation by sending fax or e-mail to the hotel directly. The list of recommended hotels presents the convention rate discounted for the 3rd PAAMES/AMEC2008 attendees. You must state to the hotel that you are an attendee to the 3rd PAAMES/AMEC2008 when you make the reservation.

We are looking forward to seeing you soon at the 3rd PAAMES/AMEC2008.

With best regards,

A handwritten signature in black ink, appearing to read "Naomi Kato".

Naomi Kato, Prof. Dr. Eng.

Secretariat, 3rd PAAMES/AMEC2008

Recommended Hotels for The 3rd Pan Asian Association of Maritime Engineering Societies(PAAMES) / Advanced Maritime Engineering Conference(AMEC 2008)

N O	Name of Hotels	Single Room rate (Single use)	Twin Room rate (Single use)	Twin Room rate (Double use)	Reservation	Homepage	Distance form "Makuhari Messe"
1	Hotel Springs Makuhari	11,550 yen	-	18,900 yen	phone +81-43-296-3111 fax +81-43-296-3795 e-mail rsv@springs.co.jp	http://www.springs.co.jp/ Japanese site only	7 minutes on foot
		12,600 yen with breakfast	-	21,000 yen with breakfast			
2	Hotel Green Tower Makuhari	8,500 yen	-	16,000 yen	phone +81-43-296-1122 fax +81-43-296-1125 e-mail m-room@greentower.co.jp desk Mrs. Wakana Asaga	http://www.greentower.co.jp Japanese site only	2 minutes on foot
		10,000 yen with breakfast	-	19,000 yen with breakfast			
3	Hotel Francs	10,500 yen	-	18,900 yen	phone +81-43-296-211 fax +81-43-296-2120 e-mail info@francs.co.jp desk Mrs. Saori Nakayama	http://www.francs.co.jp	2 minutes on foot
		11,550 yen with breakfast	-	21,000 yen with breakfast			
4	Hotel The Manhattan	16,800 yen	-	21,000 yen	phone +81-43-275-1111 fax +81-43-275-1197 email reservation@the-manhattan.co.jp desk Mr. Hisanori Hatsushiba	http://www.the-manhattan.co.jp	3 minutes on foot
		17,850 yen with breakfast	-	23,100 yen with breakfast			
5	APA HOTEL&RESORT <TOKYO BAY MAKUHARI>	10,500 yen	-	24,150 yen	phone +81-43-296-1111 fax +81-43-296-0977 e-mail ah-rmak@apa.co.jp desk Mr. Ken Hirano	http://www.tokvobay-makuhari.com	1 minutes on foot
		11,550 yen with breakfast	-	26,250 yen with breakfast			
6	Hotel New Otani Makuhari	-	13,860 yen	17,325 yen	phone +81-43-297-6666 fax +81-43-297-7788 e-mail mac-rm@newotani.co.jp	http://www.newotani.co.jp/makuhari/	1 minutes on foot
		-	15,960 yen with breakfast	21,525 yen with breakfast			

Remarks

Room rate is inclusive of tax and service charge.

Room rate is available for the participant of PAAMES/AMEC2008 during October 19th to 23rd, 2008.

Please make reservation to the hotel directly by fax or e-mail, appending that you are an attendee to the 3rd PAAMES/AMEC2008.

OPENING CEREMONY AND PAAMES FORUM

Oct.20	
9:30-11:30	3 rd ISC (International Standing Committee) meeting for 3 rd PAAMES (Room 202)
11:30-13:00	ISC Lunch(Room302)
13:00-13:40	<p>PAAMES/AMEC Opening Ceremony (Room 301)</p> <ul style="list-style-type: none"> -Opening Address Prof. Shigeru Naito, Osaka Univ., Chair of 3rd PAAMES - Welcome Speech Mr. Naoteru Tsuda -President of JASNAOE, Japan Ship Technology Research Association Mr. Shoichi Yabuki - President of JIME, Mitsui Engineering & Shipbuilding Co., Ltd. Prof. Yasuo Arai -President of JIN, Marine Technical College -PAAMES Activities: past, present and future Prof. Naomi Kato, Osaka Univ., Secretariat of 3rd PAAMES
13:40-14:00	Photo Session
14:00-17:30	<p>PAAMES Forum (Room 301)</p> <p>“Harmonization of maritime engineering industry and related infrastructures, such as education and R&D, in Pan Asian region” and “Cooperation among PAAMES member societies”</p> <ul style="list-style-type: none"> - "A way to realize harmonization among Pan Asian shipbuilding countries" Prof. Hang S. Choi, Seoul National University, SNAK Discusser - "Cooperation Amongst PAAMES Member Societies In Education and R&D - Personal Perspectives" Prof. Choo Yoo Sang, President of IMarEST, SNAMEs Discusser - “Green Shipbuilding Technology -- Viewpoint of the Next Decade” Prof. Zhang Shengkun, President of SSNAME Discusser - “Environmentally Friendly ship for mitigating global warming” Mr. Koichi Yoshida, NMRI, Japan, JASNAOE Discusser
17:30-18:00	
18:00-20:00	Welcome Reception (Room 201)

AMEC 2008 Technical Program

Oct.21	Room1	Room2	Room3	Room4	Room5
9:00-10:40	A1 Ship Propulsion /Resistance & Propeller/Rudder-1	B1 Ship Motion /Seakeeping /Maneuverability-1	C1 Noise Control	D1 Ship Operation /Environmental Control-1	E1 High-Speed Ship Design
10:40-11:00	Coffee Break				
11:00-12:40	A2 Ship Propulsion /Resistance & Propeller/Rudder-2	B2 Ship Motion /Seakeeping /Maneuverability-2	C2 Ship Design /Building-1	D2 Ship Operation /Environmental Control-2	E2 Ship Structure /Welding Technique-1
12:40-14:00	SOMEK Lunch Sponsored by Sojitz Marine & Engineering Corporation				
14:00-15:40	A3 Ship Propulsion /Resistance & Propeller/Rudder-3	B3 Ship Motion /Seakeeping /Maneuverability-3	C3 Ship Design /Building-2	D3 Ship Operation /Environmental Control-3	E3 Ship Structure /Welding Technique-2
15:40-16:00	Coffee Break				
16:00-18:05	A4 Ship Propulsion /Resistance & Propeller/Rudder-4	B4 Ship Motion /Seakeeping /Maneuverability-4	C4 Ship Design /Building-3	D4 Ocean Database /Oceanography Measurements	E4 Ship Structure /Welding Technique-3
18:15-20:00	Conference Banquet (Conference Hall)				

Oct.22	Room1	Room2	Room3	Room4
9:00-10:40	A5 Underwater Vehicle -1	B5 Offshore Structure-1	C5 Naval Architecture Education/ Naval Architecture History-1	D5 Ship Electric System & Automatic Control-1
10:40-11:00	Coffee Break			
11:00-12:40	A6 Underwater Vehicle -2	B6 Offshore Structure-2	C6 Naval Architecture Education/ Naval Architecture History-2	D6 Ship Electric System & Automatic Control-2
12:40-14:00	SOMEK Lunch Sponsored by Sojitz Marine & Engineering Corporation			
14:00-15:40	A7 Underwater Vehicle -3	B7 Heat and Exhaust in Ship Engine/ Engine Room Simulation-1	C7 Marine Environment-1	
15:40-16:00	Coffee Break			
16:00-16:50		B8 Heat and Exhaust in Ship Engine/ Engine Room Simulation-2	C8 Marine Environment-2	

AMEC 2008 Technical Program

Tuesday Oct.21

9:00-10:40

Technical Session (A1) Ship Propulsion/Resistance & Propeller/Rudder-1

Source Modeling and Analysis of the Pressure Fluctuation induced by Propeller Cavitation

By *Hanshin Seol, Il-Sung Moon*

The Investigation of Face Cavitation Erosion on Propeller Blades

By *Fang Lu, Enbao Ding, Xiaolong Liu, Zhibo Zeng*

The Design and Optimization of Heavy Loading Propeller

By *Qun Sun, Zihong Yu, Sheming Fan*

The Propeller Design for a 316,000DWT VLCC & Its Cavitation Control

By *Yongxing Ye, Enbao Ding, Zhengqing Dong, Gongzheng Xin, Jijun Du, Apeng Wang, Jianfeng Du, Youqi Wu, Minyan Li*

Technical Session (B1) Ship Motion/Seakeeping/Maneuverability-1

Formulation and Calculation of 6-DOF Motion of a Submersible Surface Ship in Unbounded Water

By *Michio Ueno*

On the Longitudinal Motion and Control of Submersible Surface Ship (SSS) in Waves

By *Tsugukiyo Hirayama, Yoshiaki Hirakawa, Takehiko Takayama*

MPS Method for Vortex Patterns and Roll Damping of 2D Ship Section

By *Xujie Pan, Huaixin Zhang*

On the Evaluation of Hydrodynamic Coefficients of Ships Oscillating in a Numerical Wave Tank

By *Renchuan Zhu, Guoping Miao, Haiqiang Guo, Jianwei Yu*

Technical Session (C1) Noise Control

Speed Improvement of Adaptive Control of Ship Interior Noise

By *Shunsuke Ishimitsu, Naoaki Shibatani*

Basic Study of Multi-channel Active Control of Ship Interior Noise

By *Hiromi Nishikawa, Shunsuke Ishimitsu, Naoaki Shibatani*

Numerical Prediction of Hull Surface Pressure Fluctuation due to Propeller Cavitation

By *Takafumi Kawamura, Tetsunosuke Kiyokawa*

Design Considerations on Low Hydro-borne Vibration and Noise for a Marine Centrifugal Pump

By *Guofu Huang, Yu Chang, Haimin Zhang, Runwen Liu, Wenfeng Zhao*

Technical Session (D1) Ship Operation/ Environmental Control-1

Integrated Data Management Solutions for Ship Operations

By *Jan Schauman, Jukka Ignatius*

Optimal Ship Operation System using a High-Accuracy Mathematical Model

By *Kazuyuki Igarashi, Ruri Shoji, Toshiaki Yamamoto, Koyu Kimura, Etsuro Okuyama, Takayuki Ioki*

On the Overall Optimization of Navigation Performance and Structure Characteristic for One Kind of the High-Speed Ships

By *Songlin Yang, Mi Li, Shuling Chen*

Guidance Control of Vessels using Minimum Time Control

By *Etsuro Okuyama, Kazuyuki Igarashi, Hiroyuki Oda, Kazuhiro Miyazaki, Kohei Ohtsu, Tadatsugi Okazaki*

Technical Session (E1) High-Speed Ship Design

Numerical Investigation on Running Attitude of Planing Craft

By *Tokihiro Katsui, Toru Katayama, Kenji Mochizuki*

On a Hull-Body displaying Method of Small High-Speed Boat in consideration of the Analysis of Spray around Bow

By *Satoru Yamaguchi, Tetsuya Toda, Seung-Jin Shin, Akiji Shinkai*

Strong Non-Linear Characteristics of a Large Wave-Piercing Catamaran in Waves

By *Kazuya Maekawa, Tsutomu Momoki, Akihiko Matsuda, Yoshiho Ikeda*

An Experimental Study on Seakeeping Characteristic of a Fast Wave-Piercing Catamaran in Real Seas

By *Keita Fukunaga, Yasunori Nihei, Yoshiho Ikeda*

10:40-11:00 Coffee Break

AMEC 2008 Technical Program

Tuesday Oct.21

11:00-12:40

Technical Session (A2) Ship Propulsion/Resistance & Propeller/Rudder-2

Numerical Analysis of Steady Sheet Cavitation on a Marine Propeller Using a Simple Surface Panel Method “SQCM”

By *Takashi Kanemaru, Jun Ando*

The Analysis and Design of Energy-Saving Propulsors by Computational Methods

By *Ching-Yeh Hsin, Kwan-Kai Chang, Yue-Hwa Cheng, Chi-Shin Chang*

Rudder Gap Cavitation Suppression Using Gap Flow Blocking Devices

By *Jungkeun Oh, Changmin Lee, Hee Bum Lee, Shin Hyung Rhee, Jung-Chun Suh, Hyochul Kim*

A Numerical Study on the Flow around a Rudder behind Low Speed Full Ship

By *Young-Gill Lee, Jin-Won Yu, Bong-Han Kang, Kyung-Ryeong Pak*

Technical Session (B2) Ship Motion/Seakeeping/Maneuverability-2

A Study on the Safety of Fishing Vessels in Operation at Extreme Rough Sea

By *Toru Katayama, Tokihiro Katsui, Akihiko Matsuda*

URANS and DES Simulations of the Flow around Surface Combatant in Static and Dynamic PMM Motions

By *Nobuaki Sakamoto, Pablo M. Carrica, Frederick Stern*

Towards New Generation Intact Stability Criteria - from the JASNAOE SCAPE Committee –

By *Naoya Umeda, Hirotada Hashimoto, Yoshiho Ikeda, Yoshitaka Ogawa, Nozomu Kogiso*

Numerical Simulation on Dynamic Behaviour of a Trimaran Running in Following and Quartering Waves

By *Naoya Umeda, Motoki Araki, Hirotada Hashimoto*

Technical Session (C2) Ship Design/Building-1

Towards Global Ship Optimization with the Aid of a 3D Ship Product Model

By *Ilmo Kuutti*

Integrated 3D Design Environment for Total Design Optimization at Early Design Stage

By *Naoki Ueda, Shingen Takeda*

Multi-step Optimization Method and its Application to the Design of Mid-ship Section of Ship Structure

By *Mitsuru Kitamura, Kunihiro Hamada, Akihiro Takezawa, Kohei Kanaikari*

High-Performance Multi-Objective Evolutionary Algorithms for Computational Fluid Dynamics-Based Shape Optimization

By *Yusuke Tahara, Tomohiro Takai*

Technical Session (D2) Ship Operation/ Environmental Control-2

Development and Application of a PC-based Ship Handling Simulation System

By *Jeng-Lih Hwang, Shean-Kwang Chou, Chun-Han Chu, Chun-Hsien Wu, Feng-Yeang Chung, Hua-Tung Wu, Fang-Nan Chang, Chih-Chung Fang*

Evaluation of Safety of Ship Navigation in Restricted Water

By *Hiroyuki Mutou, Yoshitaka Furukawa, Katsuro Kijima, Yoshihiro Yamaguchi*

Oceangoing Simulation with Deliberate Speed Loss and Course Change

By *Munehiko Minoura, Shuhei Osada, Noriko Hase, Shigeru Naito*

Feasibility study of Navigational Intention Exchange Support System with AIS

By *Makiko Minami, Junji Fukuto and Yasuyuki Niwa*

Technical Session (E2) Ship Structure/Welding Technique-1

Study on the Hot Spot Stress Evaluation Technique for Web Stiffened Cruciform Joint

By *Naoki Osawa, Junji Sawamura, Shota Suzuki, Tsutomu Fujiwara*

Strength Analysis of the Asphalt Carrier Cargo Component Based on Temperature Stress Field

By *Yonghe Xie, Wei Wang*

260,000DWT VLOC Hold Analysis

By *Tae-Hyun An, Tae-Bum Ha*

Multi-object Optimum Structural Design of Panel Blocks

By *Joo-Sung Lee, Jeong-Hoon Han*

12:40-13:00 SOMEK Lunch (Sponsored by Sojitz Marine and Engineering Corporation)

AMEC 2008 Technical Program

Tuesday Oct.21

13:00-15:40

Technical Session (A3) Ship Propulsion/Resistance & Propeller/Rudder-3

A Study on the Stern Flow affected by Vortex Generator for Low Speed Vessel

By *Pyung-Kuk Lee, Young-Jun Jeong, Tae-Young Byun, No-Joon Park*

Measurements of Pressure Distribution of Helical-Type Seawater MHD Generator

By *Bui Anh Kiet, Minoru Takeda, Yuki Sera*

Numerical Analysis of Wind Drag Reduction with Corner Cut and Step Shaped Accommodation Tower of Ships

By *Takuji Nakashima, Yasuaki Doi, Hidemi Mutsuda, Shingo Satake, Tomotaka Ogawa*

Numerical Simulation of Microbubble Drag Reduction of a Full Scale Ship

By *Asako Murakami, Takafumi Kawamura, Munehiko Hinatsu*

Technical Session (B3) Ship Motion/Seakeeping/Maneuverability-3

Numerical Analysis of Container Stacks Dynamics

By *Levent Kirkayak, Katsuyuki Suzuki*

CFD Prediction of Added Resistance in Regular Incident Waves by A CIP-Based Cartesian Grid Method

By *Changhong Hu, Makoto Sueyoshi, Ryuji Miyake, Tingyao Zhu*

Numerical Simulation of Water Impact by Applying Moving Particle Semi-Implicit Method

By *Hung-Pin Chien, Jen-Shiang Kouh, Yen-Jen Chen*

Technical Session (C3) Ship Design/Building-2

Study on MES Key Technology for Agile Shipbuilding

By *Zhiyong Jiang, Yue Wang, Yutao Cheng, Yingrui Jia*

Application of Cathodic Protection to Stainless Steel Shaft for Small-Size Boat

By *Ki-Joon Kim, Myung-Hoon Lee, Il-Yong Bae*

PLM Architecture for Shipbuilding focusing on ETO Manufacturing Strategy

By *Jang Hyun Lee, Jae Beom Lee, Hwang Beom Lee, Heung Won Suh*

New Methodology on Producing Well-Dispersed Nanoclay/Polymer Composites For Marine Coatings

By *Mo-lin Chan, Ka-shuen Fung, Tsun-tat Wong, Kin-tak Lau*

Technical Session (D3) Ship Operation/ Environmental Control-3

On the Use of Vessels for Patients Transportation in the Disaster

By *Kuniaki Shoji, Ruri Shoji, Masaki Umatani, Etsuro Shimizu, Atsushi Ishibashi*

A Crew Location Recognition System for a Naval Ship By Applying Ubiquitous Technologies

By *Jin-Tae Lee, Seong Rak Cho, Seong Jeon Kim*

The Seasonal Indoor Thermal conditions of a Newly-launched Training Ship

By *Kwang-il Hwang, Dong-keol Shin, Jin-uk Lee, Hyong-ki Lee*

Technical Session (E3) Ship Structure/Welding Technique-2

Numerical Simulation of Ship Collision with Iceberg

By *Sang-Gab Lee, Jeong-Oh Hwang, Jae-Seok Lee, Yun-Hwa, Baek Jeom-Kee Paik*

Fatigue Analysis of Longitudinal Connections in Ship Shaped Structure

By *Zhen Wang, Yoo Sang Choo*

Comparative Study of Stress Analysis Methods for Fatigue Assessment

By *Joo-Sung Lee, Ahmet Acar*

Estimation and Mitigation of Damage due to Collision of Ships

By *Bum Sang Yoon, Sang Rai Cho, Hiroshi Isshiki*

15:40-16:00 Coffee Break

AMEC 2008 Technical Program

Tuesday Oct.21

16:00-18:05

Technical Session (A4) Ship Propulsion/Resistance & Propeller/Rudder-4

Ship Performance Evaluations using CFD

By *Takanori Hino, Nobuyuki Hirata, Hideki Miyazaki, Kunihide Ohashi*

Experimental and Improved Numerical Studies on Aerodynamic Characteristics of Low Aspect Ratio Wings

By *Byoung-Kwon Ahn, Hyoung-Tae Kim, Chang-Sup Lee*

A Numerical Study on the Geometry of Jet Injection Nozzle of a Coanda Control Surface

By *Dae Won Seo, Joung Hyun Kim, Hyochul Kim, Seung-Hee Lee*

The Effect of Composition of Compliant Coating Material on the Drag Reduction Efficiency

By *Inwon Lee, Victor M. Kulik, Andrey V. Boiko, Ho Hwan Chun*

Unsteady Performance of 3-Dimensional Hydrofoil by the B-Spline Higher-Order Panel Method

By *Hyun-Gil Jang, Byoung-Kwon Ahn, Jong-Woo Park, Gun-Do Kim, Chang-Sup Lee*

Technical Session (B4) Ship Motion/Seakeeping/Maneuverability-4

A Study on a Flexible Air-pressure Anti-rolling Tank

By *Anh Tuan Phan, Kuniaki Shoji, Kiyokazu Minami, Shigeo Mita*

Control of Vertical Motion of a Hydrofoil Vessel

By *Jangwhan Bai, Yonghwan Kim*

Application of CFD-based Simulation to Free Roll Decay for a ship including Appendage Effect

By *Kwang-Soo Kim, Jin Kim, Il-Ryong Park, and Suak-Ho Van*

Technical Session (C4) Ship Design/Building-3

Design of YanDa Train Ferry

By *Zhijie Qiu*

Selection and Evaluation of Advanced Liquefied Natural Gas Carriers

- A Case Study Middle East Japan Route -

By *Jaswar Koto*

Technical Session (D4) Ocean Database/ Oceanography Measurements

Surface Current Measurement of Sea Using VHF Radar On Vessel - Effect Upon Antenna Pattern-

By *Kentaro Sachi, Rei Arai, Naoki Nakatani, Tomoki Yamada, Taketoshi Okuno, Tetsuya Hamano*

The Long-term Wave Statistics Database on the Pacific, Atlantic and Indian Oceans

By *Akiji Shinkai, Satoru Yamaguchi, Shinichiro Kashiwa, Daiki Kawashima*

Oceanographic Phenomena around Strait of Malacca Estimated from Satellite Data

By *Yuji Sakuno*

Stochastic Model of Sea-states for Oceangoing Simulation - Simulation of Sea-state Propagation in the Ocean

By *Munehiko Minoura*

Preliminary Study for Developing a Mobile Sensor Networks System

to Capture the Wave Field of a Sea Area

By *Forng-Chen Chiu*

Technical Session (E4) Ship Structure/Welding Technique-3

Crack Growth Analysis based on B-Spline Wavelet Finite Element Method

By *Satoyuki Tanaka, Hiroshi Okada, Shigenobu Okazawa, Masahiko Fujikubo*

On the Deformation Control of Thin Plate Fillet Weld by Applying the Mechanical Tensioning Method

By *Joo-Sung Lee*

Domain Decomposition Method using Mortar interface for Large-scale Structural FEA with Non-matching Interfaces

By *Yukitaka Yasuzawa, Yuzo Eguchi*

18:15-20:00 Banquet (Convention Hall)

AMEC 2008 Technical Program

Wednesday Oct.22

9:00-10:40

Technical Session (A5) Underwater Vehicle-1

Development of an ROV with Side-Scan Sonar in Waves

By *Kengo Nakajima, Naomi Kato, Sou Ueda*

Preliminary Research on Horizontal Rotation of ROV Being near Sea Surface

Induced by Waves and Wake Flow

By *Tomoya Inoue, Hiroyoshi Suzuki, Tsuyoshi Shimamura, Kengo Nakajima, Genki Shioji*

Development of an Underwater Gliding Vehicle

By *Takashi Naito, Satoru Yamaguchi, Yuki Kawashita, Yoshikazu Fuchigami*

Experimental Study on Hydrodynamics of Gliding Hydrofoil Craft

By *Shuling Chen, Qingwei Ma, Songlin Yang*

Technical Session (B5) Offshore Structure-1

A Hydroelastic Analysis of Very Large Floating Structure in Shallow Water using Boussinesq Equations

By *Byeong W. Park, Rae H. Yuck, Gyunghnam Jo, Duck S. Kim, Yong S. Kim, Hang S. Choi*

A Calculation Method of Mean Drift Forces of Floating Body in Waves

By *Takashi Tsubogo*

Intelligent Position Mooring Control of Floating Structures

By *Bernard Voon Ee How, Shuzhi Sam Ge, Yoo Sang Choo, Carine Roc'h*

The Response of Offshore Platform Structure under Impact Load

By *Lin Wang, Guobao Zhou*

Technical Session (C5) Naval Architecture Education/ Naval Architecture History-1

How to Practice for the Solving Problems of Invent, Patent and IP Education by Way of E-Learning

By *Gil Su Yoon, Haruo Kodama, Young Won Park*

The Present Status and Prospects of Engineering Education at Inha University

By *Ki-Sung Kim, Young-Gill Lee, Cheon Lee*

Practical Education for Marine Control Engineering Using an Actual Training Ship

By *Hayato Kondo, Tadatsugi Okazaki, Jun Kayano, Kohei Ohtsu*

Alliance for Maritime Education in Kansai Area

- Cooperation for Maritime Education among Osaka University, Kobe University and Osaka Prefecture University –

By *Naomi Kato, Kazuhiko Hasegawa, Shigeru Naito, Eiichi Kobayashi, Kenji Ishida, Yoshiho Ikeda, Koji Otsuka*

Technical Session (D5) Ship Electric System & Automatic Control-1

Study on Maintenance of LNG Cargo Lines using a Risk-Based Maintenance System

developed for Rotating Machinery including the Main Engines and Aux. Machinery of Ships

By *Hiromi Shiihara*

Differential Protection Applied in Ship's Power System

By *Shuang Cao, Yueping Zhao*

Research on Network Reconfiguration Technology for Multi-station Power Supply System in Shipboard

By *Dongli Li, Yueping Zhao, Yongquan Zhu*

Boat Power Station Simulator and Integrated Management System

By *Shanheng Li, Huayao Zheng, Zili Deng*

10:40-11:00 Coffee Break

AMEC 2008 Technical Program

Wednesday Oct.22

11:00-12:40

Technical Session (A6) Underwater Vehicle-2

Interactive Web 3D Design and Simulation of Underwater Vehicle

By *Chen-Wei Chen, Jing-Fa Tsai, Jen-Siang Kough*

A Study on the Development of the Small ROV ISRO and the 3-Dimensional Position Control System

By *Dong-Hyun Choi, Geun-Nam Lim, Jae Moon Lew, Sang-Hyun Kim*

A Challenge of ABISMO to the Deepest Sea

By *Tomoya Inoue, Junichiro Tahara, Kazuaki Itoh, Hiroyuki Osawa, Hiroshi Yoshida, Shojiro Ishibashi, Yoshitaka Watanabe, Takao Sawa*

The Rotational Motion and its Control System to Apply the INS Loaded on the AUV

By *Shojiro Ishibashi, Hiroshi Yoshida, Tadahiro Hyakudome, Takao Sawa, Taro Aoki*

Technical Session (B6) Offshore Structure-2

The Development Status of FPSO Technology in China

By *Gengxian Zhao*

LPG Recovery on FPSO

By *Gengxian Zhao, Ye Lin, Weijie Cheng*

Distance Measurement System for a FPSO in Tandem Offloading Operation

By *Rogério Yugo Takimoto, Tsugukiyo Hirayama, Yoshiaki Hirakawa, Takehiko Takayama*

A Preliminary Design of Mooring System for Deep Water Floaters at the Early Stage

By *Moon K. Park, Jun B. Rho, Woo S. Shim, Hang S. Choi*

Technical Session (C6) Naval Architecture Education/ Naval Architecture History-2

The Latest Efforts to Promote the Naval Architecture and Ocean Engineering Research and Education in Yokohama National University

By *Yoichi Sumi, Makoto Arai, Yasumi Kawamura, Motohiko Murai*

Perspective toward the Naval Architecture and Ocean Engineering Research and Education in the University of Tokyo

By *Hiroyuki Yamato, Tamaki Ura, Toru Sato, Kazuhiro Aoyama, Takafumi Kawamura*

A Ryukuan Tribute Ship and its Navigation

By *Hikaru Yagi, Yutaka Terao, Keisuke Watanabe, Hiroyuki Adachi, Hiroshi Kawabe, Ryouichi Kojima*

Studies on Economic Development and Shipbuilding Technology during China Song Dynasty

By *Yongxiang Yang*

Technical Session (D6) Ship Electric System & Automatic Control-2

Real-Time Main Engine Remote Control Simulation Based on Embedded System

By *Huayao Zheng, Xuewu Huang, Jutao Chen*

Optimum Design of Marine Propulsion Shafting System with Elastic Coupling in High Speed Diesel Engine by Experimental Method

By *Donchool Lee, Taekun Nam, M.J. Brennan, B.R. Mace*

An Investigation on the Performance Improvement of Marine Diesel Engines for Existing Ships

By *Jae-sung Choi, Kwon-hae Cho, Jung-gil Nam*

Technology of Steam Generation from Sea Water

By *Alexander Minaev, Sergey Gnedenkov, Vladimir Goriaynov, Andrey Bogaevskiy*

12:40-13:00 SOMEK Lunch (Sponsored by Sojitz Marine and Engineering Corporation)

AMEC 2008 Technical Program

Wednesday Oct.22

13:00-15:40

Technical Session (A7) Underwater Vehicle-3

Numerical Motion Simulation of Submerged Body in Waves

By Hiroyoshi Suzuki, Tsuyoshi Shimamura, Keitaro Miura, Naomi Kato

CFD-based Motion Simulator with Control Algorithm for Biomimetic Underwater Vehicle

By Yo Fukui, Hiroyoshi Suzuki, Naomi Kato

Technical Session (B7) Heat and Exhaust in Ship Engine / Engine Room Simulation-1

Study on Direct Hull Cooling for Next Generation Shipboard Thermal Management

By Purwono F. Sutopo, Katsuya Fukuda, Qiusheng Liu

Heat Release and Exhaust Gas Components Measurement from the Application of Water-C Oil Emulsion Fuel in Diesel Engine

By Kartika Kus Hendratna, Fujita Hirotsugu, Nishida Osami, Harano Wataru, Dong-Hoon Yoo, I Made Ariana, Nohara Hirotsugu, Kohzo Tsuchida

Solution Process of Carbon Dioxide in Seawater and Synthetic Seawater at Temperatures from 276 K to 333 K and Pressures up to 3 Mpa

By Qiusheng Liu, Katsuya Fukuda, Yongwei Yang

Collection of Ultra-Fine Diesel Particulate Matter (DPM) in Electrostatic Water Spraying Scrubber

By Tran Hong Ha, Hirotsugu Fujita, Osami Nishida, Harano Wataru

Technical Session (C7) Marine Environment-1

Study on Control System of Spilled Oil Tracking Autonomous Buoy System

By Hiroki Niou, Hidetaka Senga, Naomi Kato, Itou Asuka, Muneo Yoshie, Isamu Fujita, Kazuyuki Igarashi, Etsuro Okuyama

The Simulation of Spilled Oil Drifting after Nakhodka Accident Using Princeton Ocean Model (POM)

By Youhei Mukumoto, Naomi Kato, Yuichi Miyajima

Heat Transfer Performance of Plate Heater for Carbon Dioxide Gas in a Dispersed Power Plant System Using Marine Biomass Resource

By Makoto Shibahara, Qiusheng Liu, Katsuya Fukuda

Simulation of Emission from Local Craft

By Yin Ming Chan, Ka Shuen Fung, Alan Shung Tse Tang

15:40-16:00 Coffee Break

16:00-16:50

Technical Session (B8) Heat and Exhaust in Ship Engine / Engine Room Simulation-2

Distribution of a Fungous, Which Has an Ability to Make Mycelia in Marine Diesel Oil, in a Ship's Fuel Supply System for Marine Diesel Engines

By Haruo Mimura, Takashi Miwa, and Masahiro Yagi

Study and Development on Multimode Integrated Marine Engine Room Simulation System

By Min Xiao, Shouguang Yao

Technical Session (C8) Marine Environment-2

Ballast Water Management and Treatment Onboard Oceangoing Vessels – When Will It Be Fully Implemented

By Ronald M Pereira

Requirements of Practical Use Type of Ballast Water Treatment System

By Kiyokazu Minami, Koichi Kamada, Kuniaki Shoji