Overview of the 3rd International Symposium of Maritime Sciences

Monday 10-November		esday 11-Nove		Wednesday 12-November			Thursday 13-November	Friday 14-November
·			e Address	Concurrent Sessions III				
	9:30-9:40	Umeki	i-Y Hall	9:00-10:20	III-A	III-B		
	0.40 12.00	Keynote	Session I		Umeki-Y Hall	Umeki-N Hall		
	9:40-12:00	Umeki	i-Y Hall	9:00	III-A-1	III-B-1		
	9:40			9:20	III-A-2	III-B-2		
		Varmata	Speech 1	9:40	III-A-3	III-B-3		
		Keynote Speech 1		10:00	III-A-4	III-B-4		
				10:20-10:40	Coffee	e Break		
	10:40-10:50	Coffee	e Break			Sessions IV		
	10:50			10:40-12:00	IV-A	IV-B		
		Koynoto	Speech 2		Umeki-Y Hall	Umeki-N Hall		
		Keynote Speech 2		10:40	IV-A-1	IV-B-1		
				11:00	IV-A-2	IV-B-2		
	11:50	Koynoto	Speech 3	11:20	IV-A-3	IV-B-3		
		Keynote Speech 3		11:40		IV-B-4		
	12:10-13:00	Lunch		12:00-13:20	Lunch			
	12 00 14 00	Keynote Session II Umeki-Y Hall		13:20-15:00	Concurrent Sessions V			
Arrival	13:00-14:00				V-A V-B			
Check-in	13:00			1	Umeki-Y Hall	Umeki-N Hall	Exchange Meeting	Check-out
		Keynote Speech 4		13:20	V-A-1	V-B-1	with Students	Departure
				13:40	V-A-2	V-B-2		
				14:00	V-A-3	V-B-3		
	14:00-15:20	Concurrent Sessions I		14:20	V-A-4	V-B-4		
		I-A	I-B	14:40	V-A-5	V-B-5		
		Umeki-Y Hall	Umeki-N Hall		Campus Facility Tour Cultural Exchange			
	14:00	I-A-1	I-B-1					
	14:20	I-A-2	I-B-2	15:10-17:50				
	14:40	I-A-3	I-B-3					
	15:00	I-A-4	I-B-4					
	15:20-15:40	Coffee	e Break					
	15:40-17:20	Concurrent Sessions II]	Commendation Ceremony			
		Umeki-Y Hall Umeki-N Hall						
	15:40	II-A-1	II-B-1	18:00-20:00	-			
	16:00	II-A-2	II-B-2	18:00-20:00				
	16:20	II-A-3	II-B-3					
	16:40	II-A-4	II-B-4					
19:00-21:00 Welcome Dinner Nichii-Gakkan	- 17:00	Move to Ni	ichii-Gakkan					

* Bold font means non-student presentations.

Program of the 3rd International Symposium of Maritime Sciences

Tuesday 11-November

9:30-9:40	Welcome Address
Room:	Prof. Yuji Hayashi
Umeki-Y Hall	Dean, Graduate School of Maritime Sciences, Kobe University
9:40-12:10	Keynote Session I
<i>Room:</i>	Moderator: Kazuyo Yamaji, Kobe University, Japan
	Speaker 1: NO _x Emissions from Maritime Shipping in European Seas inferred from OMI Satellite NO ₂ Observations and the Updated GEOS-Chem CTM
Отекі-1 Пин	Geert C.M. Vinken, Eindhoven University of Technology, The Netherlands
	Moderator: Tokihiro Katsui, Kobe University, Japan
	Speaker 2: Development and Implementations of NEOWAVE for Tsunami Hazard Assessment
	Yoshiki Yamazaki, University of Hawaii at Manoa, USA
	Moderator: Hidenobu Matsumoto, Kobe University, Japan
	Speaker 3: Outline of International Policy in Japanese Maritime Field
	Nachito Sato, Ministry of Land, Infrastructure, Transport and Tourism, Japan
12:10-13:00	Lunch
12.10 15.00	
13:00-14:00	Keynote Session II
Room:	Moderator: Tomoya Yamauchi, Kobe University, Japan
Umeki-Y Hall	Speaker 4: Metrology of Ionizing Radiation and Environmental Measurements in Europe
	Nourreddine Abdel-Mjid, Institut Pluridisciplinaire Hubert Curien, Univeristé de Strasbourg, France
14:00-15:20	Concurrent Sessions I
I-A	Numerical Simulation and its Application (1)
Room:	Chair: Takaaki Tanaka, Kobe University, Japan
Umeki-Y Hall	I-A-1 Numerical Analysis of the Effect of Anthropogenic Emission Control for NOx and NMHC on Photochemical Oxidant in Japan
	Kazuyo Akiyama, Osaka University, Japan
	I-A-2 Cavitation in Mini-sac Fuel Injector for Diesel Engines
	Raditya Hendra Pratama, Kobe University, Japan
	I-A-3 Design of Neuro-fuzzy Based Maximum Power Point Tracking on Photovoltaic System for Ship Lighting System
	Adi Kurniawan, Institut Teknologi Sepuluh Nopember Surabaya, Indonesia
	I-A-4 Numerical Simulation of Turbulent Cavitating Flow in Diesel Fuel Injector
	Bicer Baris, Kobe University, Japan

I-B Maritime Education and Strategy

Room: Chair: So Murakami, Kobe University, Japan

Umeki-N Hall I-B-1 Enhancing Maritime Education: Measuring a Traning Ship between Instructor and Student Communications Chenchen Peng, Kobe University, Japan

I-B-2 Cal Maritime's Golden Bear Facility - An Introduction

Richard Muller, California Maritime Academy, USA

- I-B-3 Knowing the Students We Groom into Seafarers: Going beyond the Traditional Admission Forms Livingstone Divine Caesar, University of Tasmania, Australia
- I-B-4 Exploring the Relationships among Cruise Passengers' Environmental Knowledge, Attitudes, and Behavioral Intentions Wang Chiu-Yi, National Kaohsiung Marine University, Taiwan

15:20-15:40 Coffee Break

Ground Floor

15:40-17:00	Concurrent Sessions II
II-A	Maritime Topics Peculiar to Regions
Room:	Chair: Fuko Okayama, Kobe University, Japan
Umeki-Y Hall	II-A-1 Validation of WRF-and MANAL-estimated Wind Speed Fields in Coastal Waters off Shirahama
	Takeshi Misaki, Kobe University, Japan
	II-A-2 Rip Current Dynamics and Nearshore Circulation in Nha Trang Coastal Area
	Bay Nguyen Thi, Ho Chi Minh City University of Technology, Vietnam
	II-A-3 Effects of the Kuroshio Current on Ship Navigation
	Chen Chen, Kobe University, Japan
	II-A-4 Study on the Flow Regime at Cua Lap Estuary Area
	Chinh Lieou Kien, Ho Chi Minh City University of Technology, Vietnam
II-B	Maritime Transport and Logistics
Room:	Chair: Hidemi Hirokawa, Kobe University, Japan
Umeki-N Hall	II-B-1 An Evaluation of Supply Chain Environmental Collaboration in the Container Shipping Industry
	Hsu Wei-Lin, National Kaohsiung Marine University, Taiwan
	II-B-2 Revenue Management Analysis in Liner Shipping
	Zhang Qian, Dalian Maritme University, China
	II-B-3 A Study on Carrier's Liability of Cruise Contract - Focusing on Athens Convention
	Su Chi-An, National Kaohsiung Marine University, Taiwan
	II-B-4 Development of Logistics in Maritime Transportation in Vietnam
	Ngô Thị Ngọc Hoa, The University of Danang, Vietnam

Wednesday 12-November

9:00-10:20	Concurrent Sessions III
III-A	Numerical Simulation and its Application (2)
Room:	Chair: Fuko Okayama, Kobe University, Japan
Umeki-Y Hall	III-A-1 A Numerical Study on 3-D Effects of Marine Rudder by using CFD
	Nguyen Van Trieu, Osaka Prefecture University, Japan
	III-A-2 Numerical Simulation of Fuel Film Deformation in Gas Turbine Engine
	Ippei Oshima, Kobe University, Japan
	III-A-3 Estimation of Drag Force on Tug Hulls at Different Drift Angles
	Buddhika Nirman Jayarathne, University of Tasmania, Australia
	III-A-4 Numerical Simulation of Sloshing by using PLIC-volume Tracking Method
	Helvines Corazon Aquino, Kobe University, Japan
III-B	Terminal Operation and Management
Room:	Chair: Hidemi Hirokawa, Kobe University, Japan
Umeki-N Hall	III-B-1 A Feasibility Study for Multi-user Container Terminal in Port of Kaohsiung based on Transshipment Model and Cost-Benefit Analysis
	Chen Li-Jen, National Kaohsiung Marine University, Taiwan
	III-B-2 Optimization on Truck Routing Problem in a Container Terminal
	Bian Zhan, Dalian Maritme University, China
	III-B-3 Service Quality Evaluation of Free Trade Port Zone in Taiwan
	Sheng Teng Huang and Chen Ying Chi, National Taiwan Ocean University, Taiwan
	III-B-4 Combined Optimization of External Truck Appointment and Equipment Deployment: Outbound Container
	Li Na, Dalian Maritme University, China
10 20 10 40	

10:20-10:40 Coffee Break

Ground Floor

10:40-12:00	Concurrent Sessions IV
IV-A	Maritime Engineering and its Application (1)
Room:	Chair: Takaaki Tanaka, Kobe University, Japan
Umeki-Y Hall	IV-A-1 Numerical Simulation of Urea SCR for Marine Diesel Engines
	Masayoshi Hayashi, Kobe University, Japan
	IV-A-2 Numerical Study on Transient Heat Transfer for Forced Convection Flow of Helium Gas over a Twisted Plate
	Li Wang, Kobe University, Japan
	IV-A-3 Superconducting Characteristics of MgB2 Short Wires of Lebel Sensor for Liquid Hydrogen Carrier Yuki Inoue, Kobe University, Japan
	Tuki moue, kobe omversity, japan

IV-B Future Technology and its Application

Room: Chair: Wu Yanbin, Kobe University, Japan

Umeki-N Hall IV-B-1 Optimising a Route Finding Strategy for Coordinated Autonomous Maritime Platforms

Cameron Edwards, Jarrah Orphin and Mark Francis Symes, University of Tasmania, Australia

IV-B-2 Wing-assisted Vessel's Energy Saving Potential Calculation on Typical Route

Huang Lianzhong, Dalian Maritme University, China

- IV-B-3 The Green Ship Application of the Composites for IMO's COx/NOx Emission Control from Ships Jin-Woo Lee, Korea Maritime and Ocean University, Korea
- IV-B-4 Design and Research of Flap Wing Sail for Wind-assisted Vessel Ma Ranqi, Dalian Maritme University, China

12:00-13:20 Lunch

13:20-15:00	Concurrent Sessions V
V-A	Risk Analysis and Ballast Water Management
Room:	Chair: Wu Yanbin, Kobe University, Japan
Umeki-Y Hall	V-A-1 Transport Risks Analysis of Frozen Fish Cargoes
	You Jhih-Jiao, National Kaohsiung Marine University, Taiwan
	V-A-2 Collision Risk Assessment of Vessel and Offshore Platform: Case Study of Platform Construction Project at Bintuni Bay-West Papua
	Muhammad Habib Chusnul Fikri, Institut Teknologi Sepuluh Nopember Surabaya, Indonesia
	V-A-3 Numerical Simulation of Shock Wave Bubble Interaction for Ballast Water Treatment
	Nao Taniguchi, Kobe University, Japan
	V-A-4 Ballast Water Management System Testing Facility at the California Matirime Academy, USA: Undergraduate Engagement to Solve Applied
	Problems and Protect California's Coastal Resources
	Hannah Foster and Richard Muller, California Maritime Academy, USA
	V-A-5 Study on Underwater Shock Wave Generation using Diaphagmless Shock Tube for Application to Ballast Water Treatment System
	Yohei Yamada, Kobe University, Japan
V-B	Maritime Engineering and its Application (2)
Room:	Chair: So Murakami, Kobe University, Japan
Umeki-N Hall	V-B-1 Moisture-uptake Induced Internal Stresses in Balsa Core Sandwich Composite Plate: Modeling and Experimental
	Trần Văn Luận, The University of Danang, Vietnam
	V-B-2 Research of Engine Monitoring System based on Multi-parameter and Micro-variable Database Process Technology
	Cui Hua, Shanhghai Maritime University, China
	V-B-3 Enhancement on Methodology for Estimating Emission Distribution at Madura Strait by Integrating Automatic Identification System (AIS) and
	Geographic Identification System (GIS)

Emmy Pratiwi, Institut Teknologi Sepuluh Nopember Surabaya, Indonesia

- V-B-4 Assessment Ultimate Bending Strength of Floating Dock Structure by using Finite Element Analysis
 - Nguyễn Tiến Thừa, The University of Danang, Vietnam
- V-B-5 Migration of Radionuclides in Soils
 - Guillaume Fleury, University of Strasbourg, France