

Seminar Programme, ISOCEEN 2020

27th – 28th Oktober 2020

SCHEDULE OF ISOCEEN 2020			
Time	Session	Presenter	Person in Charge
1st Day (Tuesday, 27th October 2020) https://zoom.us/j/94702223435			
12.00 – 13.00 WIB	Seminar Registration	Committee	
13.00 – 13.30 WIB	Welcoming speech from Organizing Committee	Suntoyo, Ph.D (ISOCEEN 2020 Chairman)	MC
	Opening Speech	Prof. Dr. Ir. Mochamad Ashari MEng. (Rector of ITS)	
13.30 – 14.30 WIB	Keynote Speech Session II	1. Prof. Dr. Eng Hitoshi Tanaka, Senior Director, International Activities Center (IAC), Japan Society of Civil Engineering (JSCE), Tohoku University, Japan	Moderator: Prof. Widi Agoes Pratikto
		2. Assoc. Prof. Dr. Eng, Ahmad Sana Department of Civil and Architectural Engineering, Sultan Qaboos University, Oman	

SCHEDULE OF ISOCEEN 2020			
Time	Session	Presenter	Person in Charge
14.30 – 15.00 WIB	Discussion		
15.00. – 15.15 WIB	Break		
15.15 – 16.15 WIB	Keynote Speech Session II	3. Assoc. Prof. Alvaro Semedo, Ph.D. IHE Delft, Netherland	Moderator: Prof. Ir. Daniel M. Rosyid, Ph.D
		4. Assoc. Prof Ts Dr Mohd Faris Khamidi, College of Engineering, Qatar University	
16.15 – 16.45 WIB	Discussion		
2 nd Day (Wednesday, 28 th October 2020)			
10.00 – 12:10 WIB	Invited Speaker and Parallel Session		
	Invited Speaker and Parallel Session Room 1 https://zoom.us/j/93279505481	Invited Speaker 1 Prof. Dr. Eng. Nguyen Trung Viet Vice President of Thuyloi University Vietnam	Moderator 1: Dr.Eng.Muhammad Zikra,MSc
	Invited Speaker and Parallel Session Room 2 https://zoom.us/j/97564167082	Invited Speaker 2 Assoc. Prof. Suntoyo, Ph.D. Head of Postgraduate Study Program Department of Ocean Engineering, ITS	Moderator 2: Dr. Eng Totok Suprijo



SCHEDULE OF ISOCEEN 2020			
Time	Session	Presenter	Person in Charge
		Indonesia	
	Invited Speaker and Parallel Session Room 3 https://zoom.us/j/92250501317	Invited Speaker 3: Assoc. Prof. Ir. Dr. Eng. Ahmad Fitriadhy Senior Lecturer, Department of Maritime Technology, Faculty of Ocean Engineering Technology and Informatics, University Malaysia Trengganu	Moderator 3: Dr. Eng. Purwanto Bakti Santoso
12.10 – 12.40 WIB	Break		
12.40 – 16.00 WIB	Parallel Session Room 1 https://zoom.us/j/93279505481	Moderator 4: Dr.Eng.Muhammad Zikra,MSc	
	Parallel Session Room 2 https://zoom.us/j/97564167082	Moderator 5: Dr. Ir. Wahyudi, MSc	
	Parallel Session Room 3 https://zoom.us/j/92250501317	Moderator 6: Agro Wisudawan, ST., MT	
The best paper announcement			
16.00 – 16.15 WIB	Closing Speech of Seminar Day 2		Closing Address (Head of Ocean Engineering Department)

Thank you very much for your participation.



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Parallel Session Schedule

Online Room 1 : 28 October 2020				
Moderator = Dr.Eng.Muhammad Zikra,MSc				
Time		Title of Paper		Author
10:00:00	-	10:25:00	(Invited Speaker Session)	
10:25:00	-	10:40:00	Hydrodynamics Performance Analysis of Vertical Axis Water Turbine (VAWT) Gorlov Type Using Computational Fluid Dynamics (CFD) Approach	Wisnu Wardhana, Natasha Keniraras, Reynaldi Surya Pratama and Shade Rahmawati
10:40:00	-	10:55:00	Developing Small Dual-Fuel Diesel Engine to Control Marine Pollution by Reducing NOx Emission for Application in Fishing Vessels	Agoes Santoso, Semin, Bambang Sampurno, Beny Cahyono
10:55:00	-	11:10:00	Estimation of hourly solar radiation on tilted surface based on Artificial Neural Network: Study case of Surabaya	A Kurniawan, A A Masroeri, E S Koenhardono, I R Kusuma, J Prananda, S Sarwito
11:10:00	-	11:25:00	Methane Emissions Evaluation on Natural Gas/Diesel Dual-Fuel Engine during Scavenging Process	F M Felayati, Semin and B Cahyono
11:25:00	-	11:40:00	Technical Analysis of Diesel Engine Convert to Dual Fuel Engine for The Ship	Semin
11:40:00	-	11:55:00	Developing of Emergency Safety Device Module Under Vessel Integrated Automation System for Dual Fuel Diesel Engine	Muhammad Irsyad Saihilmi, Muhammad Badrus Zaman, Agoes Santoso, Indra Ranu Kusuma
11:55:00	-	12:10:00	Utilization The Ship Main Engine Cooling Water for Micro hydro Power Plants Design	Danny Faturachman, Endang Tri Pujiastuti, Fridolini
12:10:00	-	12:40:00	Lunch Break	



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12:40:00	-	12:55:00	Study of the effect on the addition of anti-slamming bulbous bow to total resistance in tugging supply vessel using CFD	Kiryanto, Deddy Chrismianto, Eko Sasmito Hadi, Ahmad Firdhaus
12:55:00	-	13:10:00	Mathematical analysis and experimental testing of floating building platform prototypes made from expanded polystyrene system (Styrofoam) and lightweight concrete.	Fitri Handayani, Henny Pratiwi Adi, Slamet Imam Wahyudi
13:10:00	-	13:25:00	Effects of fairlead positions on the dynamic of mooring system	Sony Junianto, Mukhtasor, Rudi Walujo Prastianto, Wisnu Wardhana
13:25:00	-	13:40:00	Modeling of Unidirectional Oscillating Buoy Wave Energy Converter Based on Direct Mechanical Drive System Under Irregular Wave	Rizki Mendung Ariefianto, Yoyok Setyo Hadiwidodo, Shade Rahmawati
13:40:00	-	13:55:00	Fatigue life analysis of mooring system: The effect of asymmetry mooring system configuration on Single Point Mooring	Eko Budi Djatmiko, Revy Maghriza, Murdjito
13:55:00	-	14:10:00	The Combination of Reliability and Predictive Tools to Determine Ship Engine Performance based on Condition Monitoring	M B Zaman, N Siswantoro, D Priyanta, T Pitana, H Prastowo, Semin, W Busse
14:10:00	-	14:25:00	Analysis The Effect of P-Delta and Scouring on Fixed Offshore Structures Integrity	Murdjito, M R Imamy, Handayanu
14:25:00	-	14:40:00	Hydrodynamic Properties of Moored Floating Breakwater using CFD Method	S.F. Abdullah, A. Fitriadhya, M. Hairila, Mohd Asamudin A. Rahman, Suntoyo, Alamsyah Kurniawan, Widi Agoes Pratikto
14:40:00	-	14:55:00	Monte Carlo Simulation for Reliability Hydraulic Stability of Rock Rubble Mound Breakwater at PLTU Sudimoro, Pacitan	D K Nugroho, H D Armono, Mukhtasor
14:55:00	-	15:10:00	Analysis of Leading Edge Protuberances on Fully Submerged Hydrofoil of 15 Meters Pilot Boat	D Chrismianto, AWB Santosa, A Wirahutama
15:10:00	-	15:25:00	Safety Case Development for Risk Management of Offshore Pipeline	M. Fahreza Inzaghi, Silvianita, Daniel M. Rosyid
15:25:00	-	15:40:00	The Effect of Floater Modular Submersible Additional Buoyancy on Tension Mooring Line and the Motions of CBM (Conventional Buoy Mooring) Ø 4.5 m	O Mursid, K R Malau, N Huda, A M A Abidin, G Sutarno



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Parallel Session Schedule

Online Room 2: 28 October 2020				
Moderator = Dr. Ir. Wahyudi, MSc				
Time		Title of Paper		Author
10:00:00	-	10:25:00	(Invited Speaker Session)	
10:25:00	-	10:40:00		Dinar C Istiyanto, Suranto, Aris Subarkah, Sungsang U Sujoko, Shafan A Aziis, Andika D Saputra, Syahrizal A Latief, Derpris Folmen, Affandy Hamid, Bagyo Widagdo and Widjo Kongko
10:40:00	-	10:55:00	Coastal Erosion Management by Implementing Concept of Building with Nature (Bwn) in Demak Regency, Central Java, Indoensia	I S Bumi, Widyaningtias, M B Adityawan
10:55:00	-	11:10:00	Water Quality Modeling Distribution on the Bali Strait in the Western Monsoon and Its Impact for Ecosystems	Octavia Prihanesti Kartika Rini, Suntoyo, Wahyudi
11:10:00	-	11:25:00	Hydrodynamic and Sediment Transport Simulation at The Port of The Electric Steam Power Plant Adipala and Serayu Estuary, Central Java Province, Indonesia	Nazariano Rahman Wahyudi, Suntoyo, Widi Agoes Pratikto
11:25:00	-	11:40:00	Modelling of Sediment Distribution and Changes of Morphology in Estuary Flow Kapuas River, West Kalimantan	Liany Ayu Catherine, Widi Agoes Pratikto, Suntoyo
11:40:00	-	11:55:00	The Study of Coastline Changing and Total Suspended Solid Distribution Based on The Remote Sensing Data in Teluk Lamong Multipurpose Port Terminal	Widi Agoes Pratikto, Ahmad Fitriadhy, Muhammad Ilham Maulana, Abiyani Choirul Huda, Destyariani Liana Putri, Liany Ayu Simatupang, Nazariano Rahman Wahyudi, Rendatiyarso Laksono, Angie Vibriyanti Rossari Dewi
11:55:00	-	12:10:00	Evaluation of Saddang Irrigation Main Canal Sediment Trap	R A Anjraningrat, Prilanda, B Ontowirjo
12:10:00	-	12:40:00	Lunch Break	



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12:40:00	-	12:55:00	Effect of Permeable Structure on Coastal Sediment Transport in Demak Regency, Central Java, Indonesia Model by Using Delft3D Software	M Iqbal, Widyaningtiyas, A Wiyono, M B Adityawan, I Sukarno, I Sekaring Bumi
12:55:00	-	13:10:00	Temperature and Salinity Distribution at Pasir Putih Waters Situbondo	Anita Diah Pahlewi, Creani Handayani
13:10:00	-	13:25:00	Tsunami Wave Transformation in Selesung Bay (Lampung)	Mustarakh Gelfi, Elsa Rizkiya Kencana, Hendra Achiari
13:25:00	-	13:40:00	Design of Reverse Osmosis Desalination Plant at Remote Coastal Area	Sutopo Purwono Fitri, Alam Baheramsyah, Agoes Santoso, Taufik Fajar Nugroho, Adhi Iswantoro, Hasan Ikhwan, Danang Jawara Ditya
13:40:00	-	13:55:00	Study on shoreline evolution under influenced of single jetty construction: A case study of Karangsang Beach, Indramayu, Indonesia	U Abdurrahman, H Park, T Suprijo
13:55:00	-	14:10:00	Velocity profile and turbulence characteristics over coral reefs in Derawan Island, East Kalimantan	Ayi Tarya, Faisal H. Muhammad, Nining Sari Ningsih
14:10:00	-	14:25:00	Variation of Seasonal Monsoon Wave-Driven Circulation Pattern in the Lee of Groyne in Kuala Nerus beach (Malaysia)	M S Zulfakar, E H Ariffin, M F Akhir, N A Awang
14:25:00	-	14:40:00	Floating Photovoltaic Design for Isolated Coastal Village in Indonesia	O Mursid, K R Malau, N Huda, A M A Abidin, G Sutarno
14:40:00	-	14:55:00	An Experimental Study on Hydraulic Model of Water Intake Canal at Steam and Gas Power Plants	Suntoyo, T. W. Muslim, F. T. Wicaksana, S. Rahmawati, Silvianita
14:55:00	-	15:10:00	Temporal and Spatial Analysis of Mangrove Forest Change in the North Coast of East Java	Anita Kusuma Wardhani, Muhammad Zikra



Parallel Session Schedule

Online Room 3 : 28 October 2020

Moderator = Agro Wisudawan, ST., MT

Time			Title of Paper	Author
10:00:00	-	10:25:00	(Invited Speaker Session)	
10:25:00	-	10:40:00	The design of an Arduino based low-cost ultrasonic tide gauge with internet of things (iot) system	Nabil Amirul Haq, Khomsin, Danar Guruh Pratomo
10:40:00	-	10:55:00	Identification of Jetty Ruins on the Seabed Using Sub-Bottom Profiler and Side Scan Sonar (Study Case: Special Port of PT. Holcim, Tuban)	Syafiqoh Rahmania, Danar Guruh Pratomo1 and M. Rohmaneo Darminto
10:55:00	-	11:10:00	Anak Krakatau Landslide Tsunami Relapse Potential Hazard	A P Trayonggo, A Ramdhani, B Ontowirjo
11:10:00	-	11:25:00	Prediction of Streamflow at the Pemali catchment area using Shetran model	Suroso, Amaylia Dwi Wahyuni, Purwanto Bakti Santoso
11:25:00	-	11:40:00	Detection Of Trend Behaviour Of Extreme Rainfall Over Java Using Mann-Kendal	Suroso, Izac Aqsha Ghifari, Purwanto Bakti Santoso
11:40:00	-	11:55:00	Is there is any gender difference on psychological preparedness for potential disaster of university students	L S Palupi
11:55:00	-	12:10:00	Identification of Free Span on Underwater Pipeline Using Side Scan Sonar and Dual-head Scanning Profiler	Danar G Pratomo, Khomsin, and P L Harlambang
12:10:00	-	12:25:00	Utilization of GPS Technology in The Maritime Sector on Motor Sailing Yachts	Melani Quintania, Danny Faturachman, T. Husain, Bayu Pasupati, Ahmad Taufik
12:25:00	-	12:55:00	Lunch Break	



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12:55:00	-	13:10:00	Did socioeconomic status influence psychological preparedness for potential disaster of resident around lapindo mud disaster	L S Palupi
13:10:00	-	13:25:00	Analysis of Work Accident Factors in the Shipyard	M B Zaman, A Baharamsyah, I Ashari
13:25:00	-	13:40:00	Evacuation Analysis of Ship Passenger Using Agent Based Modelling Simulation	M B Zaman, N Siswantoro, M Zulfikar
13:40:00	-	13:55:00	Hybrid Photovoltaic-Thermal Solar System for Brackish Water Reverse Osmosis	Sutopo Purwono Fitri, Alam Baharamsyah, Agoes Santoso, Yudhi Satrio Santoso
13:55:00	-	14:10:00	Analysis of extreme events through HF radars wave height observation in the southwestern Iberian Peninsula	Isabel Bué, Álvaro Semedo, João Catalão
14:10:00	-	14:25:00	Estimation of Total Suspended Solids Using Satellite Sentinel2 on the Pamekasan District	Ashari Wicaksono, Aries Dwi Siswanto
14:25:00	-	14:40:00	Parameters influence the stability test of the coastal structure's model in the laboratory	Sholihin, Haryo D Armono, Wahyudi
14:40:00	-	14:55:00	Bias Correction of a Single-Forcing Dynamic Ensemble of Wave Climate Projections towards the End of the 21st Century	Gil Lemos, Alvaro Semedo, Mikhail Dobrynin, Melisa Menendez, Pedro M.A. Miranda
14:55:00	-	15:10:00	Conceptual design of the LNG dual-fuel system for harbour tug towards Indonesia Greenport	A Z M Fathallah, I M Ariana, G H Putra, B Mar'ruf
15:10:00	-	15:25:00	Mapping Oil Spill Using Sentinel-1 : Study Case of Karawang Oil Spill	Dian Puspita Sari, Mukhtasor, Muhammad Zikra

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