

ISMDN at the 5th MASTIC Conference in Bali

The International Safer Maritime Decarbonisation Network (ISMDN) participated in the 5th Maritime Safety International Conference (MASTIC), held from 22-24 July 2026 in Bali, Indonesia. This engagement, led by our esteemed partners from Institut Teknologi Sepuluh Nopember (ITS), Prof. I Made Ariana and Dr.Eng Dhimas Widhi Handani, directly supports our core mission to foster global co-creation for safer maritime decarbonisation. The conference served as a vital platform to address critical challenges in maritime safety and environmental sustainability, perfectly aligning with ISMDN's research themes. Our representatives from ITS, a key project partner, were instrumental in bridging academic research with practical industry applications.

Key activities and engagements included:

Strategic Workshops: The conference featured two pivotal workshops that echo ISMDN's concerns:

Workshop I: Smart Navigation for Ship Traffic Safety: This workshop explored advanced navigation systems and protocols, a topic highly relevant to ISMDN's focus on enhancing safety through technology and human factors.

Workshop II: Abandonment and Site Restoration (ASR) of Upstream Oil and Gas Facilities: This session addressed the technical, environmental, and regulatory challenges of decommissioning, an area where expertise from partners like SKK Migas and Pertamina is crucial for developing safe and sustainable practices.

Multi-Stakeholder Collaboration: The event successfully brought together a diverse group of stakeholders, reflecting ISMDN's commitment to inclusive, multi-sectoral dialogue. Attendees included:

State-Owned and Private Enterprises: PT Pertamina, PT Samudera Indonesia, Petrokimia Gresik, and other key shipping and energy companies.

Regulatory and Government Bodies: SKK Migas, the Ministry of Energy and Mineral Resources (ESDM), and regional governments.

Shipyards and Service Providers: National shipyards and classification bureaus.

Academic Institutions: Leading national universities (ITS, Universitas Sultan Ageng Tirtayasa/Untirta, Universitas Pattimura/Unpatti, Universitas Indonesia, Universitas Udayana, Politeknik Negeri Madura, Politeknik Transportasi Darat Indonesia, UNJ, Politeknik Perkapalan Negeri Surabaya, UPI, Universitas Padjajaran, Politeknik Negeri Banyuwangi), Udayana University, UIN Syekh Wasil Kediri, Universitas Diponegoro, Universitas Logistik Dan Bisnis Internasional, Universitas Padjadjaran, Politeknik Pelayaran Barombong, PT. Biro Klasifikasi Indonesia, Banten Merchant Polytechnic, Brawijaya University and international partners (Kobe University, Kyushu University, NTU, Hochschule Wismar University, Guangzhou University).

Technology Transfer for Safety: In a significant side event, ITS, represented by figures including Prof. Dr. Ketut Buda Artana, Prof. Made Ariana, Prof Eko Budi Djatmiko, and Dr -Ing Setyo Nugroho officially donated a cutting-edge Automatic Identification System (AIS) software or "GPS Laut" to the Klungkung Regency government. This technology will be used to monitor vessel safety, protect sensitive marine ecosystems (like those in Nusa Penida), and measure carbon emissions directly contributing to a key ISMDN goal of safer and more sustainable shipping.

The participation of Prof. I Made Ariana and Dr. Eng Dhimas Widhi Handani at MASTIC 2026 has not only showcased the depth of Indonesian maritime research but has also

successfully aligned national priorities with the global mission of the ISMDN. By connecting university experts with major industry players and policymakers, this initiative strengthens the evidence base for our Safer Maritime Decarbonisation Roadmap and builds essential capacity for a more resilient future.

5th Maritime Safety International Conference (MASTIC 2026) Hotel Kuta Bali Paradiso 22-24 July 2026

1. Welcome party. 22 July 2026 – day 0



Ir. Dedy Triawan Suprayogi, ST, MEng, Ph.D, IPM, C.Eng [Universitas Sultan Ageng Tirtayasa (Untirta)] – Dr. Pieter Th. Berhitu, S.T.,M.T Dean of Faculty Engineering of Pattimura Universitas (Unpatti) – Bapak I Made Satria (Bupati Klungkung) – Dr-ing Setyo Nugroho (Dean of Marine Engineering FTK ITS) – Professor Dr. Ketut Buda Artana, S.T., M.Sc



ITS [Prof Eko Budi Djatmiko – Setyo Nugroho (Dean FTK) – Bambang Pramujati (Rector ITS) –Pertamina Shipping [Aditya] – Klungkung Bali [Bapak I Made Satria]

2. Professor Furukawa speech at welcome party



3. Opening ceremony



4. Day 1 - Keynote speaker – Dr. Ir. I Wayan Koster, M.M. – Governor of Bali



5. Pak Ma'ruf Universitas Pendidikan Indonesia



6. Proffesor Zhou from China (Guangzou University)



7. Prof. I Ketut Adnyana - Director of Research and Community Service, Directorate General of Research and Development, Ministry of Education, Culture, Research, and Technology (Indonesia)



8. Pak Danuja Wijayanto, Kyushu University



9. Day 2 – Dr. Aleik Nurwahyudi S.T., M.Sc (Marine Safety Investigator di National Transportation Safety Committee- NTSC- KNKT)



10. Pertamina Internasional Shipping



11. Group photo Day 2 –







12. Raditya, Kobe University



13. Putu Widhi, Kyushu University



14. Dr. Eng Dhimas Widhi – ITS, Indonesia & partner from PT Pelindo



15. Closing ceremony



Keynote Speakers

1. Dr. Ir. I Wayan Koster, M.M. – Governor of Bali
2. Prof. I Ketut Adnyana - Director of Research and Community Service, Directorate General of Research and Development, Ministry of Education, Culture, Research, and Technology (Indonesia).

3.

Invited Speakers

1. Prof. Lydia Helena Wong -Director, Global Alliance of industries @NTU (GAIN) - Professor, School of Materials Science & Engineering - Executive Director, Indonesia-NTU Singapore Institute of Research for sustainability and Innovation (INSPIRASI)
2. Prof. Furukawa Yoshitaka - Kyushu University, Japan
3. Jenary Kaban, S.T. - ASR & Decommissioning Sr. Analyst of SKK Migas
4. Steven Chandra, S.T., M.T. - Institut Teknologi Bandung

Workshop I

Smart Navigation for Ship Traffic Safety

Exploring advanced navigation systems and protocols to enhance maritime safety and efficiency in high-traffic zones.



Moderator

Dr. Eng Dhimas Widhi – ITS, Indonesia

“Researcher focusing on ship traffic management and safety protocol development in Indonesian waters.”

Prof. Furukawa Yoshitaka – Kyushu University, Japan

“Expert in maritime navigation systems and autonomous ship control techniques.”

Prof. Lydia Helena Wang- Nanyang Technological University, Singapore

“Specialise in advanced materials and sensor technologies for maritime applications”

Workshop II

Abandonment and Site Restoration (ASR) of Upstream Oil and Gas Facilities

Addressing the technical, environmental, and regulatory challenges of decommissioning upstream facilities.



Moderator

Prof. Dr. Ketut Buda Artana – ITS, Indonesia

“Expert in reliability, availability, maintainability, and safety (RAMS) in ocean engineering.”

Fadilla Indrayuni Prastyasari, PhD – ITS, Indonesia

“Researcher focusing on environmental impact assessment and site restoration technologies.”

Jenary Kaban S.T – SKK Migas, Indonesia

“Leading authority on regulatory framework for upstream oil and gas facility abandonment”

AISITS hibah perangkat AIS receiver ke Untirta, Unpatti dan Pemerintah kabupaten Klungkung, Bali

Conference advisory committee:

No	Name	Affiliation	Affiliation type
1	Dr. Achmad Purwosaputro, S.T., M.M.	Agung PT Djakarta Lloyd	State own shipping company
2	Ir. Agoes Sapto Rahardjo Moerdi Hartono	LNG Practicioner	Expert non-profit
3	AA Ngurah Adi Ardiana	DPRD Provinsi Bali	Government -
4	Bani Maulana Mulia	PT Samudera Indonesia, Tbk.	Private own shipping company
5	Chairani Rachmatullah	PT PLN Enjiniring	State own electricity company
6	Dharmawan H. Samsu	PT Pertamina International EP	
7	Hendi Agung Hermawan	PT Yasa Wahana Tirta Samudera	Shipyard
8	Dr. Ir. I Ketut Gunarta	PT ITS Tekno Sains	
9	I Putu Puja Astawa	PT Nusantara Regas	Gas company
10	Iqbal Fikri	PT PAL	
11	Muhartanto	PT Polytama Propindo	
12	Mulyawan Samad	Tangguh UCC Project	
13	Rakhmad Dewanto	PT PLN Energi Primer Indonesia	
14	Rudi Satwiko	SKK Migas	
15	Sophan Sophian	PT Perusahaan Gas Negara (Persero) Tbk	
16	Wahyudin Sunarya	Husky-CNOOC Madura Limited	
17	Wayan Mega Budiarta	Pelindo Energi Logistik	
18	Yoke C. Katon	PT Petrokimia Gresik	
19	Professor Akira Sou	Kobe University	
20	Professor Takeshi Shinoda	Kyushu University	

Organising committee:

No	Name	Affiliation
1	Prof. Dr. Ketut Buda Artana	Institut Teknologi Sepuluh Nopember (ITS)
2	D. Eng. Ir. AA Masroeri, M. Eng	Institut Teknologi Sepuluh Nopember (ITS)
3	Prof. Ir. I Ketut Aria	PU., Institut Teknologi Sepuluh Nopember (ITS) M.Sc., Ph.D.
4	Prof.Ir. Eko Budi Djatmiko,	Institut Teknologi Sepuluh Nopember (ITS) M.Sc., Ph.D
5	Dr. Trika Pitana, ST., M.Sc.	Institut Teknologi Sepuluh Nopember (ITS)
6	Dr. Beny Cahyono, ST., MT.	Institut Teknologi Sepuluh Nopember (ITS)
7	Dr. Ir. Wasis Dwi Aryawan,	Institut Teknologi Sepuluh Nopember (ITS) M.Sc.
8	Dr.-Ing. Ir. Setyo Nugroho	Institut Teknologi Sepuluh Nopember (ITS)
9	Dr. Herman Pratikno, ST.	Institut Teknologi Sepuluh Nopember (ITS) MT.
10	Prof. Dr. Takeshi Nakazawa	Int. Association of Maritime Universities (IAMU)
11	Prof. Takeshi Shinoda	Kyushu University
12	Dr.-Ing. Wolfgang Busse	Hochschule Wismar University University
13	Prof. Koji Gotoh	Kyushu University
14	Prof. Hirotada Hashimoto	Kobe University
15	AAB. Dinariyana Dwi P.,	Institut Teknologi Sepuluh Nopember (ITS) ST., M.ES., Ph.D.
16	Dr. Eng. Rudi Walujo	Institut Teknologi Sepuluh Nopember (ITS) Prastianto, ST., MT.
17	Prof. Himsar Ambarita	University of Sumatera Utara
18	Dr. Fredy Kurniawan	Biro Klasifikasi Indonesia
19	Dr. Mohammad Zaki	Biro Klasifikasi Indonesia
20	Dr. Arif Kurniawan	Biro Klasifikasi Indonesia
21	Dr. M. Badrus Zaman, ST.	Institut Teknologi Sepuluh Nopember (ITS) M.Sc.
22	Sutopo Purwono Fitri, S.T.	Institut Teknologi Sepuluh Nopember (ITS) M.Eng., Ph.D.
23	Dr. Eng. Kriyo Sambodho,	Institut Teknologi Sepuluh Nopember (ITS) ST., M.Eng.
24	Dr. Eng. Yeyes Mulyadi, ST.	Institut Teknologi Sepuluh Nopember (ITS) M.Sc.