



Department  
of Marine Engineering



PUI-KEKAL  
Maritime Safety and Marine  
Innovation  
Institut Teknologi Sepuluh Nopember



PROPOSAL

5th Maritime Safety International Conference

# MASTIC 2026

held by the Laboratory of Reliability and Safety Department of Marine Engineering (RAMS)

Cutting Edge Technology and Sciences for Enhancing Maritime Safety,  
Security, Health and Environment

**23<sup>rd</sup> – 24<sup>th</sup>**

July 2026 · Bali, Indonesia



# GREETINGS

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**Prof. Ir. Bambang Pramujati S.T., M.Sc.Eng., Ph.D.**

On behalf of the Organizing Committee, I am delighted to welcome you to the 5th Maritime Safety International Conference (MASTIC 2026). This conference brings together experts from around the world to discuss the most pressing challenges facing maritime safety today.

The maritime industry plays a pivotal role in connecting nations, facilitating trade, and sustaining our world. However, the importance of safety in this dynamic domain cannot be overstated. Our conference provides an invaluable platform to collaborate, exchange ideas, and foster innovative solutions that will safeguard lives, protect the environment, and optimize maritime operations.

Therefore, in the 5th Maritime Safety International Conference (MASTIC 2026), we are expecting engaging discussions, insightful presentations, and fruitful networking opportunities, to further collective knowledge, promote best practices, and cultivate a culture of safety that transcends borders. Your active participation and contributions during this conference will undoubtedly shape the future of maritime safety.

Together, let us make the most of this conference.



# GREETINGS

CHAIRMAN OF MASTIC 2026



**I Gde Manik Sukanegara Adhita, S.T., M.MST., Ph.D.**

It is with great pleasure and honor that we welcome you to the 5th Maritime Safety International Conference (MASTIC 2026). As we gather in the beautiful island of Bali, we are reminded of the critical importance of our shared mission: enhancing maritime safety through innovation and collaboration.

This year's conference brings together the brightest minds in maritime engineering, policy-making, and safety management. We have curated a program that addresses the most pressing challenges of our time, from sustainable shipping practices to the integration of artificial intelligence in maritime operations.

We hope that this event will serve as a catalyst for new ideas and lasting partnerships. Thank you for being part of this journey towards a safer and more sustainable maritime future.

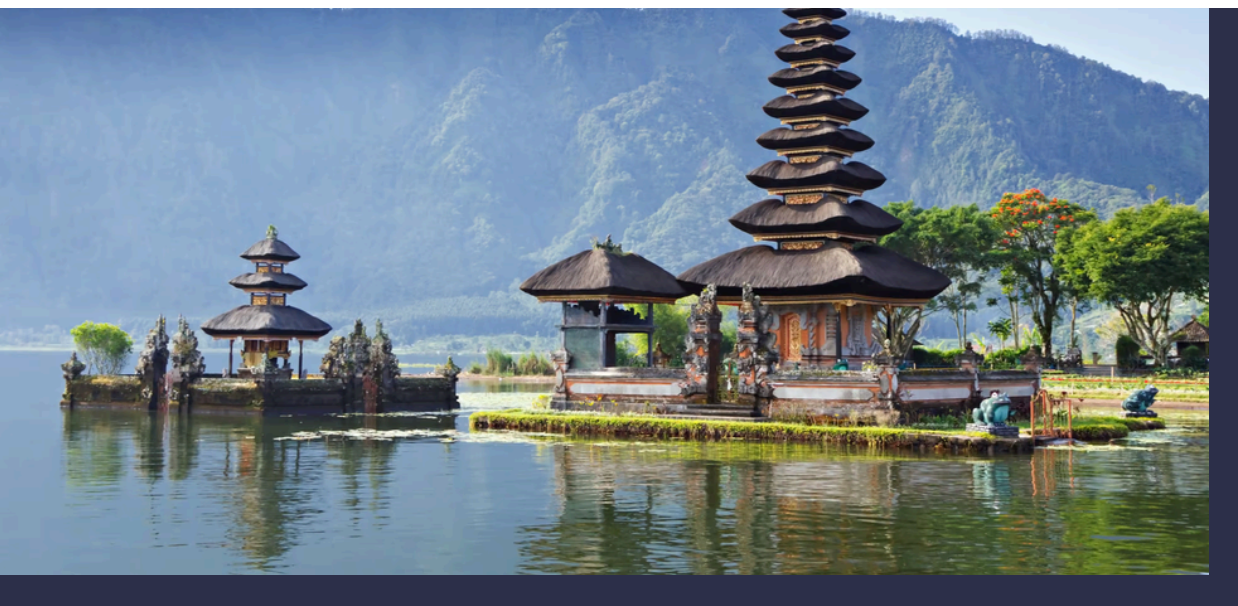


The 5th Maritime Safety International Conference (MASTIC 2026) is an international conference held by the laboratory of Reliability and Safety, Department of Marine Engineering, Faculty of Marine Technology, Institut Teknologi Sepuluh Nopember, Surabaya. This year, MASTIC 2026 brought the theme of “Cutting Edge Technology and Sciences for Enhancing Maritime Safety, Security, Health and Environment.”

The aim of MASTIC 2026 is to exchange the latest knowledge, innovations, and best practices in the field of maritime technology and sciences, particularly focusing on enhancing maritime safety, strengthening security, promoting health standards, and protecting the marine environment. This conference seeks to highlight interdisciplinary approaches and technological breakthroughs that contribute to sustainable and resilient maritime development.

The 5th Maritime Safety International Conference (MASTIC 2026) will address both current and emerging challenges by emphasizing advanced technologies for safe ship operations, secure maritime facilities, environmentally friendly practices, and health-oriented innovations. It also provides a platform to discuss recent issues related to climate change, renewable energy integration, and digital transformation in the maritime sector.

MASTIC is designed to be an advance biennial (2-yearly) international conference in which the manuscripts will be indexed and going through a peer-reviewed process to ensure the quality of each article. This conference is expected to be a great medium for networking among universities, research institutions, government agencies, maritime industries, and other maritime related stakeholders.



# IMPORTANT DATES

Abstract  
Submission  
Deadline  
March 08 2026

Abstract  
Submission  
Deadline  
March 08 2026

Early Bird  
Registration  
March 22 2026

Final Paper  
Submission  
May 01 2026



Conference  
July 23 - 24 2026

Regular  
Registration  
May 01 2026

Kuta Bali Paradiso Hotel Jl. Kartika Plaza  
Tuban, Kec. Kuta, Kabupaten Badung,  
Bali 80361.

## PLACE



This event will be held at Kuta Bali Paradiso Hotel Jl. Kartika Plaza,  
Tuban, Kec. Kuta, Kabupaten Badung,  
Bali 80361,

# TOPICS

MASTIC 2026 continues to expand its scope, highlighting research on maritime cyber-security, autonomous shipping technologies, marine environmental protection, and digital transformation in maritime operations, alongside successful implementation of safety and sustainability initiatives in the field.

## SAFETY

- Maritime Safety and Risk Management
- Maritime Transport and Logistics
- Sustainability in Marine Engineering and Technology
- Safety of Maritime Transportation
- Resilience in the Maritime Domain
- Ship Safety and Maintenance
- Safety of Navigation

## SECURITY

- Maritime Cyber Security
- Advancement of Navigation Information
- E-navigation
- Security of Smart Shipping
- Issue on Piracy in the New Era
- VTS Smart Operation
- Remote Pilotage

## HEALTH

- Marine Policy, Education, and Training for QHSE Improvement
- Maritime Education and Training (MET)
- Occupational Safety in Maritime Operations
- Human Element (Maritime Human Factors)
- Maritime Safety Management

## ENVIRONMENT

- Marine Pollution and Environmental Protection
- Marine Renewable Energy
- Marine Biology and Tourism
- Sustainable Management of Abandonment and Site Restoration
- Advance Method of Abandonment and Site Restoration

## MARITIME ADVANCE TECHNOLOGY

- Unmanned and Autonomous Ship
- Ship Design and Material Advancement
- Smart Port and Shipping Operation
- Digitalization in Maritime
- Artificial Intelligence in Maritime
- Robotic and Equipment for Maritime Operation

# PLENARY SESSION

Plenary session discusses the theme of the conference that will be presented by keynote speakers



## **DR. IR. I WAYAN KOSTER, M.M. - GOVERNOR OF BALI**

Governor Wayan Koster will deliver his keynote address on “Maintaining and Preserving Environment and Culture to be Adaptive with Marine and Oil/Gas Industry.” His presentation will highlight the importance of balancing industrial growth, particularly in the maritime and oil/gas sectors, with the preservation of local culture and environmental sustainability, offering a unique perspective from a regional leader in Indonesia.



## **PROF. LAM KHIN YONG - VICE PRESIDENT (INDUSTRY) NTU SINGAPORE**

Prof. Lam Khin Yong, who also serves as the President’s Chair in Mechanical and Aerospace Engineering at NTU Singapore, will share insights on “Innovation Development Strategy in the Effort of Ensuring Industrial Safety.” His expertise lies in fostering research-industry collaboration and advancing innovation strategies to improve safety standards, making his contribution vital to discussions on maritime and industrial resilience.



## **PROF. I KETUT ADNYANA - DIRECTOR OF RESEARCH AND COMMUNITY SERVICE, DIRECTORATE GENERAL OF RESEARCH AND DEVELOPMENT, MINISTRY OF EDUCATION, CULTURE, RESEARCH, AND TECHNOLOGY (INDONESIA).**

Prof. I Ketut Adnyana will provide insights on “Government Policy in Strengthening the Downstreaming of Research Results and Innovations of Indonesian Universities.” His keynote will focus on the role of policy in bridging research outcomes with industry needs, supporting innovation ecosystems, and ensuring that higher education contributes significantly to maritime technology and sustainability.



## **DR. DJOKO SISWANTO - HEAD OF SPECIAL TASK FORCE FOR UPSTREAM OIL AND GAS (SKK MIGAS), INDONESIA**

Dr. Djoko Siswanto will present his keynote on “Efforts to Achieve Zero Accidents in the Upstream Oil and Gas Industry through the Application of Technology.” His talk will address technological applications, operational strategies, and regulatory approaches to minimize risks and enhance safety performance in the upstream oil and gas sector, which has direct implications for maritime safety and offshore operations

# WORKSHOP 1 **WORKSHOP**

**THEME : Smart Navigation for Marine Traffic Safety**

## INVITED SPEAKERS



**Prof. Furukawa Yoshitaka**

**Kyushu University, Japan**



**Prof. Lydia Helena Wong**

**Nanyang Technological University, Singapore**

## OUR SPEAKERS



**Dr. Emmy Pratiwi**

**Institut Teknologi Sepuluh Nopember, Indonesia**



**Dr. Eng. Dhimas Widhi Handani**

**Institut Teknologi Sepuluh Nopember, Indonesia**

Workshop session consists of multiple sessions which allow the participants.



# SESSION



A maritime safety exhibition is an event that focuses on showcasing products, services, technologies, and best practices related to enhancing safety in the maritime industry. These exhibitions bring together stakeholders, professionals, and organizations involved in maritime safety to exchange knowledge, promote advancements, and address challenges in ensuring the well-being of maritime operations, personnel, and the environment. We would like to invite all maritime related companies to be apart of this exhibition to introduce their new technologies or even to scout new talents during MASTIC 2026

## WORKSHOP 2

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

### INVITED SPEAKERS



**Special Task Force for Upstream Oil and Gas (SKK Migas), Indonesia**  
**Ir. I Gede Dian Aryana, M.T.**

**Institut Teknologi Bandung, Indonesia**  
**Steven Chandra, S.T., M.T.**



### OUR SPEAKERS



**Prof. Ketut Buda Artana**  
**Institut Teknologi Sepuluh Nopember, Indonesia**

**Fadilla Indrayuni Prastyasari, Ph.D.**  
**Institut Teknologi Sepuluh Nopember, Indonesia**



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38. Dr. Indra Ranu Kusuma, S.T., M.Sc.

# AGENDA

## WELCOME PARTY

The Welcome Party is a perfect opportunity to network with fellow participants and distinguished guests, meet the speakers, and enjoy some delicious Indonesian light refreshments in a relaxed and informal setting. Expect lively conversations, a warm atmosphere, and a chance to make lasting connections while enjoying the traditional Balinese dances.



## BALI 1 DAY TOUR



A one-day tour in Bali offers a condensed yet memorable experience, allowing visitors to explore some of the island's key attractions within a limited timeframe. While a day might not cover all of Bali's cultural and natural wonders, it can provide a glimpse into its beauty and diversity.

# TECHNICAL PROGRAM

DAY 1 (JULY 23, 2026)

09:00 – 10:00  
Opening Ceremony &  
First Keynote Address  
Dr. Wayan Koster at  
Grand Ballroom

10:00 – 10:30  
Coffee Break &  
Networking  
Exhibition Hall

10:30 – 12:00  
Second Keynote Address  
Prof. Lam Khin Yong at  
Grand Ballroom

DAY 2 (JULY 24, 2026)

09:00 – 10:30  
Third Keynote Address  
Dr. Djoko Siswanto at  
Grand Ballroom

10:30 – 12:00  
Fourth Keynote Address  
Prof. I Ketut Adnyana at  
Grand Ballroom



**MASTIC**  
MARITIME  
SAFETY  
INTERNATIONAL  
CONFERENCE

# THANK YOU



## COME AND JOIN US

