

# PIANC Asian Seminar 2022

Toward Sustainable and Smart Marine Infrastructure  
- Maintenance Technology for Concrete Port Infrastructure -



**MLIT**

Ministry of Land, Infrastructure, Transport and Tourism

**MAFF**

Ministry of Agriculture,  
Forestry and Fisheries  
農林水産省



Japan International  
Cooperation Agency

**Organizer: PIANC-Japan**

**Supported by: MLIT, MAFF, JICA**

**Date: 27 May 2022 15:30 JST (GMT+9)**

**Audiences: 200**

**Registration Fee: Free**

**Language: English Webinar Tool: Zoom**

**Registration URL: <https://forms.gle/6s3i3ayxcfDgrqzS8>**

**Deadline: 13 May 2022**



You can also register from QR Code!



**Mitsuhiro Okada**  
Chairman  
PIANC-Japan

We are expected to achieve the Sustainable Development Goals (SDGs) making the best use of finite resources. Toward the goal, we have to develop quality infrastructure which is reliable and sustainable. In this context, we need to establish maintenance measures to keep infrastructure functioning for a long time. PIANC-Japan organizes a webinar featuring maintenance of port infrastructure. Renowned researchers from Asia will give lectures on this topic. Everyone interested in infrastructure maintenance is welcome to join.

## Program 15:30~18:00 (GMT+9)

15:30 **Opening**

15:35 **Opening Address:** Mr. Mitsuhiro Okada

Vice President of PIANC, and Chairman of PIANC-Japan

15:40 **Video Message from the PIANC Headquarters:**

Mr. Francisco Esteban Lefler, President of PIANC

15:50 **Lecture 1: "Latest Topics on Maintenance of Port Structure in Japan"**

Dr. Mitsuyasu Iwanami, Tokyo Institute of Technology, Japan

16:15 **Lecture 2: Part I "Thai Standard for Chloride Attack"**

**Part II "Development of Concrete Skin by Mixed with Crystalline Materials and Applied with Electricity"**

Dr. Wanchai Yodsudjai, Kasetsart University, Thailand

16:40 **Lecture 3: "Durability of Concrete Structures: Bangladesh Perspective"**

Dr. Mohammed Tarek Uddin, Islamic University of Technology (IUT), Bangladesh

17:05 **Lecture 4: "Durability Enhancing Method and Maintenance in Port Concrete Structures in Japan"**

Dr. Toru Yamaji, Port and Airport Research Institute, Japan

17:30 **Question and Answer**

Facilitator: Mr. Yutaka Tanaka, Senior Researcher,

18:00 **Closing**

Port and Airport Research Institute, Japan

### Bangkok Port, Thailand



mohigan, CC BY-SA 3.0 <<https://creativecommons.org/licenses/by-sa/3.0/>>  
via Wikimedia Commons

### Chittagong Port Bangladesh



Tazmeem at English Wikipedia, Public domain, via Wikimedia Commons



## Dr. Mitsuyasu Iwanami, Eng.

**Professor, Tokyo Institute of Technology, Japan**

**Doctor of Engineering, Tokyo Institute of Technology, Japan, 1999**

Prof. Mitsuyasu Iwanami has worked at Port and Airport Research Institute, Japan (PARI) for about 15 years. He has been engaged in the research and technological development on design and maintenance of maritime structures. In 2013, he moved to Tokyo Institute of Technology, and his

current research interests include durability enhancement of reinforced concrete structures and infrastructure management.



## Dr. Wanchai Yodsudjai, Eng.

**Professor, Vice Dean for Research, Faculty of Engineering, Kasetsart University, Thailand**

**Doctor of Engineering, Tokyo Institute of Technology, Japan, 2003**

Prof. Wanchai Yodsudjai has been engaged in academic service for about 20 years and as a researcher and a lecturer in the field of concrete engineering in Kasetsart University. His current research interests include repair and

maintenance of concrete structure. He served as a lecturer and a member of committee for many international conferences on concrete technology in Asian region.



## Dr. Mohammed Tarek Uddin, PEng.

**Professor, Islamic University of Technology (IUT), Bangladesh**

**Doctor of Engineering, Tokyo Institute of Technology, Japan, 1997**

Prof. Mohammed Tarek Uddin has more than 30 years of working experience in Thailand, Japan, and Bangladesh as a consultant, a researcher, and a faculty member of academic institutions. His research scope covers corrosion of steel in concrete, sustainability, durability, and recycling of

concrete. He received Young Researcher's Award from Japan Concrete Institute (JCI) in 2002 for his outstanding contribution in the field of durability of concrete in marine environment.



## Dr. Toru Yamaji, Eng.

**Director of Structural Engineering Field, Port and Airport Research Institute, Japan (PARI)**

**Doctor of Philosophy on Engineering, Kyushu University, Japan, 2010**

Dr. Toru Yamaji has been engaged in research on durability of concrete port structures for more than 20 years in PARI after entering Ministry of Transport, Japan (Ministry of Land, Infrastructure, Transport and Tourism, Japan at present) in 1997. He also served as an engineer for on-site investigation and design

in Construction Office, Kansai International Airport Co., Ltd. for 2 years from 2008.

## Registration

Contact Information: PIANC-Japan [asianseminar.pianc@gmail.com](mailto:asianseminar.pianc@gmail.com)

\*The URL for viewing the seminar will be sent to you by e-mail after your registration is completed.

For registration, please visit :<https://forms.gle/6s3i3ayxctDgrqzS8>  
(Deadline: 13 May 2022)



You can also register from QR Code!