



# PIANC Asian Seminar 2024

## Countermeasures to Cope with Soft Ground in Coastal Areas



**Organizer : PIANC-Japan**  
**Supported by: MLIT, MAFF, JICA**

**Date: 28 October 2024**  
**15:30 JST (GMT+9)**

**Audiences: 200**

**Registration Fee: Free**  
**Language: English**  
**Webinar Tool: Zoom**

Ground Improvement at  
Yokohama Port , SCP, CDM  
methods (Source: MLIT)



Registration URL: <https://forms.gle/eukYFTnZEwC3Xw8R7>  
You can also register from QR Code! Deadline: 15 Oct. 2024



Yoshiaki Kuriyama  
Chairman  
PIANC-Japan

The problems due to soft ground in coastal areas have been one of the major challenges for infrastructure construction, improvement and maintenance. Such countermeasures to cope with soft ground are evolving through the implementation of various infrastructure projects, substantially. PIANC Japan organizes a webinar to share experiences, knowledge and latest technology of the ground improvement in coastal areas. Renowned researchers and engineers will give lectures on this topic. Everyone interested in soft ground and its countermeasures is welcome to join.

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

15:30 Opening

15:35 Opening Address: Mr. Ken Abe, Deputy Director-General for Engineering Affairs, Port and Harbours Bureau, Ministry of Land, Infrastructure, Transport and Tourism, Japan

15:40 Video Message from the PIANC Headquarters:  
Mr. Francisco Esteban Lefler, President of PIANC

15:50 Lecture 1: "Ground improvement technologies for soft soils:  
Japan's experiences in coastal development"  
Dr. Yoichi Watabe, Hokkaido University, Japan

16:15 Lecture 2: "Short PVDs method and horizontal drainage enhanced  
geotextile (HDeG) method for the improvement of soft clay fills"  
Dr. Jian Chu, Nanyang Technological University, Singapore

16:40 Lecture 3: "Advanced ground improvement technology and  
its application for the coastal area"  
Dr. Mitsuo Nozu, Fudo Construction Inc., USA

17:05 Lecture 4: "Characteristics of Patimban soft marine clay and  
soil improvement techniques at Patimban Port Project"  
Dr. Le Phuong Dong, Oriental Consultants Global, Japan

17:30 Question and Answer

17:50 Presentation of commemorative item

18:00 Closing

Moderator: Dr. Yoich Watabe,  
Hokkaido University

PVD method in reclaimed site  
(Source: NCB  
Drain Association)



CPM method at  
Patimban Port



(Source: Oriental Consultants  
Global, Japan)

# Lecturers



## Dr. Yoichi Watabe, Eng.

**Professor, Faculty of Engineering, Hokkaido University, Japan  
Doctor of Engineering, Tokyo Institute of Technology, Japan**

Prof. Yoichi Watabe had been working at PARI for more than 20 years, and then he moved to Hokkaido University in October 2016. He has fruitful experiences on soft soil engineering about 35 years. Currently, he is the chair of PIANC MarCom WG205 "Design and Construction of Breakwaters on Soft Seabed ". Also, he is the Vice-President of the Japanese Geotechnical Society.

## Dr. Jian Chu, Eng.

**Professor, School of Civil & Environmental Engineering, Nanyang Technological University (NTU), Singapore, PhD, the University of New South Wales, Australia.**

Prof. Jian CHU is a Fellow of Academy of Engineering Singapore, President's Chair in Civil Engineering, the Chair of the School of Civil and Environmental Engineering and the Director of the Centre for Urban Solutions at the NTU. He was professor and James M. Hoover Chair in Geotechnical Engineering at Iowa State University, USA from 2011 to 2014. He is the Chair for TC217 on Land Reclamation under ISSMGE and a Committee Member for TC211 on Ground Improvement. He was a past President of the Geotechnical Society of Singapore and the Chair for ISSMGE TC39 on Geotechnical Engineering for Disaster Mitigation and Rehabilitation from 2005 to 2009.



## Dr. Mitsuo Nozu, Eng.

**President / CEO, Fudo Construction Inc., USA  
Doctor of Engineering, Nagoya University, Japan**

Dr. Mitsuo Nozu has been engaged in research and quality control work for the ground improvement projects in Japan, South East countries and USA since 1984 as an engineer in Fudo Tetra Corporation.

He was a member of PIANC EnviCom WG214 "Beneficial Sediment Use " and a Part-time lecturer in Nagoya University since 2000.



## Dr. Le Phuong Dong, Eng.

**Project Manager, Principal Engineer, Oriental Consultants Global, Japan (OCG)  
Doctor of Engineer, the University of Tokyo, Japan**

Dr. Le Phuong Dong has more than 15 years working experience in the design and management of complex civil/marine infrastructure, especially Port, Coastal and Geotechnical Engineering. Prior to joining OCG in 2015, he worked for Mott MacDonald Singapore. Currently he is the Project Manager for the construction supervision service of the Patimban Port Development Project Phase 1-2 (2023 – 2027), a position he has held since Mar 2022.



# Registration

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

For registration, please visit : <https://forms.gle/eukYFTnZEwC3Xw8R7>

(Deadline: 15 October 2024)

\*After your registration is completed, we will send you the URL for viewing the seminar at a later date.



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