

# Joint Experiments @ IES2022

## Co-deployment of Tropical Ocean Revitalization

One Day of  
Powerful Joint Work

8 August 2022

08:00 - 11:00 (CET)  
13:00 - 16:00 (ICT)  
15:00 - 18:00 (JST)

- (1) 4-Steps Plastic Garbage Collection with AI sensing with 5D
- (2) 4-Steps Plastic Garbage Collection with Smart G-Box

\* Please prepare several sets of 4 images of plastic garbage along the river & the sea coast. Instruction: Download [here \(Slack\)](#).

## Workshop

### Panel Discussion @ IES2022

"Tropical-Garbage Global SPA Architecture around the Sea"

\* Time schedule was changed. (Aug. 2)

One Day of Powerful Talks

10 August 2022

04:00 - 7:00 (CET)  
9:00 - 12:00 (ICT)  
11:00 - 14:00 (JST)

### Program

**Session 1:** 04:00-04:20 (CET) / 09:00-09:20 (ICT) / 11:00-11:20 (JST)

*Speaker: Yasushi Kiyoki*

*(Keio University / Musashino University (MU), Japan)*

*Title: "5D World Map System for Ocean Environment Protection"*

**Session 2:** 04:20-05:20 (CET) / 09:20-10:20 (ICT) / 11:20-12:20 (JST)

*Speakers: Prof. Virach Sornlertlamvanich (MU, Thammasat, online), Dr. Shiori Sasaki (MU), Dr. Korawit Prutsachinimmit (Prince of Songkla University(PSU), online), Dr. Ryota Nakamura (MU, online), Dr. Thatsanee Charoenporn (MU, online), Prof. Yasushi Kiyoki (MU), Dr. Naoki Ishibashi (MU), Dr. Yasuhiro Hayashi(MU, online)*

*Title: "Deployment of Plastic Garbage Collection project in Japan, Thailand and Indonesia: Plastic Garbage Collection by 5D and Smart G-Box"*

**Session 3:** 05:30-06:00 (CET) / 10:30-11:00 (ICT) / 12:30-13:00 (JST)

*Speakers: Dr. Bima Sena Bayu Dewantara & Dr. Agus Indra Gunawan (Politeknik Elektronika Negeri Surabaya (PENS), Indonesia)*

*Title: "Introduction of PENS projects for SDGs & Smart City"*

**Session 4:** 06:00-06:30 (CET) / 11:00-11:30 (ICT) / 13:00-13:30 (JST)

*Panelists: All presenters*

*Title: "Next steps for AI-5D collaboration (esp. Plastic Garbage Collection project)"*

**Session 5:** 06:30-07:00 (CET) / 11:30-12:00 (ICT) / 13:30-14:00 (JST)

*Speakers: Students from PENS, MU, PSU, BUU, etc.*

*Nataporn Patworakitti (BUU), Arthit Anatasuk (BUU), Motana Wattanachant (PSU), Ammar Nuwana (PSU), Nonpawit Pohthongkham (PSU), Yang Xuanzhou (MU), Li Yang (MU) and more.*

*Title: "Student Session - Design of Students Workshop"*

## Speakers

Proud to bring inspirational speakers from across the globe



**Yasushi KIYOKI**  
(Keio University / Musashino University,...)



**Virach Sornlertlamvanich**  
(Thammasat University / ...)



**Shiori Sasaki**  
(Musashino University)



**Korawit Prutsachinimmit**  
(Prince of Songkla...



**Ryota Nakamura**  
(Musashino University)



**Bima Sena Bayu Dewantara**  
(Politeknik Elektronik...



**Agus Indra Gunawan**  
(Politeknik Elektronik...



**Tri Hadiyah Muliawati**  
(Politeknik Elektronik...



**Thatsanee Charoenporn**  
(Musashino University)



**Naoki Ishibashi**  
(Musashino University)



**Yasuhiro Hayashi**  
(Musashino University)

