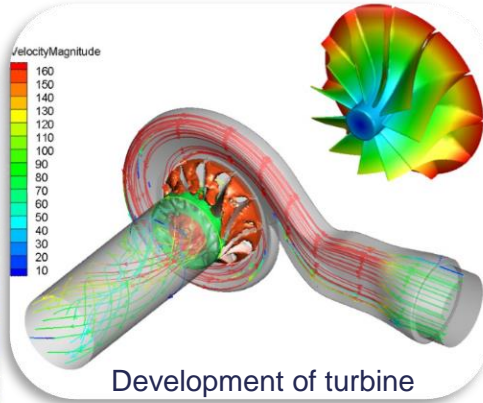


# SATREPS-OTEC Project



UPM-UTM OTEC Centre



Development of turbine



Seaweed growth test



Testing of nano refrigerant

## 4<sup>TH</sup> SATREPS-OTEC FORUM

= ONLINE PROGRAM OPEN FOR PUBLIC =

**5 MARCH 2024**

**9:30~11:30 (MYT)**

**10:30 - 12:30 (JPT)**

**WebEx Link:**

<https://utm.webex.com/utm/j.php?MTID=m619c4fa123cf00957cbaf9133b56a787>

**Hosted by**

✧ **Institute of Ocean Energy (IOES), Saga University Japan**

<https://www.ioes.saga-u.ac.jp/en/>

✧ **UTM OTEC (Ocean Thermal Energy Centre), Universiti Teknologi Malaysia (UTM)**

<https://research.utm.my/otec>

## Online Program

1. Opening Remarks  
Prof. Dr. Yasuyuki Ikegami  
(10 min)

2. Keynote Lecture  
Prof. Phang Siew Moi  
(30 min incl. Q&A)

Researcher's Presentations  
(20 min each incl. Q&A)

3. Dr. Nik Ahmad Ridwan

4. Dr. Natrah binti  
Kamaruzaman

5. Mr. Ahmad Aiman Azmi

6. Dr. Fontaine Kevin Davy-  
Erik

7. Closing Remarks  
Prof. Dato' Ir. Dr. A Bakar  
Jaafar (15 min)

Researcher's Presentation  
title will be announced on  
the below QR Code



## **The 4<sup>th</sup> SATREPS-OTEC Forum**

**Date** : Tuesday, 5<sup>th</sup> March 2024  
**Time** : 09:30 a.m. to 11:30 a.m. MYT (10.30 a.m. to 12.30 p.m. JPT)  
**Platform** : Cicso Webex Meetings (Online)  
**Link** : <https://utm.webex.com/utm/j.php?MTID=m619c4fa123cf00957cbaf9133b56a787>

**Participants** : Open for public.

**Contents** : Progress and prospects of joint research program by SATREPS-OTEC researchers.

### **Program AGENDA:**

1. **Opening Remarks** (10min)  
SATREPS-OTEC Project Research Director, Prof. Dr. IKEGAMI Yasuyuki, Director, Institute of Ocean Energy, Saga University, Japan (IOES)
2. **Keynote Lecture: Blue Economy: Harnessing Food, Medicine and Energy from the Oceans** (25 min)  
SATREPS-OTEC Sub-Project Leader, Emeritus Prof. Dr. Phang Siew Moi, University of Malaya
3. **Design and development of 3kW turbine for Malaysian H-OTEC** (15 min)  
SATREPS-OTEC Sub-Project Leader, Dr. Nik Ahmad Ridwan Nik Mohd, Universiti Teknologi Malaysia
4. **Prediction of thermophysical properties for different nanorefrigerant mixing** (15 min)  
SATREPS-OTEC Sub-Project Leader, Dr. Natrah binti Kamaruzaman, Universiti Teknologi Malaysia
5. **Water sustainability: The role of hybrid-cycle OTEC in desalination innovation** (15 min)  
Mr. Ahmad Aiman Azmi, Graduate School of Science and Engineering, Saga University
6. **Effect of chevron angle on void fraction and overall heat transfer coefficient of subcooled boiling flow** (15 min)  
Dr. Fontaine Kevin Davy-Erik, Postdoctoral researcher at the Institute of Ocean Energy, Saga University (IOES)
7. **The Progress of SATREPS-OTEC Programme in Malaysia 2019-24,25 & Closing Remarks** (15 min)  
SATREPS-OTEC Project Director, Prof. Dato' Ir. Dr. A Bakar Jaafar, Ocean Thermal Energy Centre, Universiti Teknologi Malaysia (UTM-OTEC)