

TOHOKU UNIVERSITY & JAMSTEC

# WPI-AIMEC KICK-OFF SYMPOSIUM

## Unlocking the Future of the Ocean and its Ecosystems

Fri. March 8, 2024  
10:00→17:40 SENDAI, JAPAN

A symposium will be held for the kick-off meeting of WPI-AIMEC, the first implemented alliance-type WPI.

On this occasion we will share our research mission with those of mutual interest and knowledge in marine sciences.

- Format : Hybrid - Live on-site at the Sendai Kokusai Hotel and online (live stream via YouTube)
- Language : English (simultaneous interpretation into Japanese available)
- Registration required : [https://www.sci.tohoku.ac.jp/wpi\\_aimec/kick\\_off.html](https://www.sci.tohoku.ac.jp/wpi_aimec/kick_off.html)  
Registration Deadline : Monday, March 4, 2024 12:00 (JST)



Under the auspices of



Supported by

- Japan Geoscience Union
- The Oceanographic Society of Japan
- Tohoku Forum for Creativity
- United Nations Decade of Ocean Science for Sustainable Development

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**01 Opening** 10:00 → 11:00**02 Who We Are** 11:00 → 11:45

**Unlocking the future of our ocean: ocean-ecosystem change systematics**

**Toshio Suga** (Director, WPI-AIMEC)

**WPI-AIMEC being the critical scientific body for our ocean and earth**

**Kentaro Ando** (Administrative Director, WPI-AIMEC)

----- Lunch 11:45 → 13:15 -----

**03 Keynote Lectures** 13:15 → 14:00

**Recent topics of fisheries around Japanese sea area in relation to the variability of ocean ecosystem**

**Hiroya Sugisaki** (Assistant for Director (Scientist), Japan Fisheries Research and Education Agency)

**BGC-Argo to address ecosystem changes and biological carbon pump at the global scale**

**Hervé Claustre** (Research Director, the Villefranche-sur-Mer Oceanography Laboratory) [ONLINE]

**04 Scientific Activities** 14:00 → 15:30**a : Climate-ocean-ecosystem interactions and regime shift****Overview of climate-ocean-ecosystem interaction**

**Niklas Scheneider** (Director, Department of Oceanography, the University of Hawai'i at Mānoa)

**Ocean environmental and biological changes — from coast to world ocean, from seasonal to 10,000-yr scale —**

**Sayaka Yasunaka** (Professor, Graduate School of Science, Tohoku University)

**Potential of satellite earth observation data for marine environment and ecosystem research**

**Riko Oki** (Director, Earth Observation Research Center, Japan Aerospace Exploration Agency (JAXA))

**b : Prediction of marine ecosystem changes****Overview of prediction of marine ecosystem changes**

**Michio Kawamiya** (Director-General, Research Center for Environmental Modeling and Application, Japan Agency for Marine-Earth Science and Technology (JAMSTEC))

**Challenges for modeling marine ecosystems**

**Sherwood Lan Smith** (Senior Scientist, Research Institute for Global Change (RIGC), Japan Agency for Marine-Earth Science and Technology (JAMSTEC))

**Synthesis of ocean observations for a more complete understanding of ocean circulation and marine ecosystems**

**Shinya Kouketsu** (Director-General, Global Ocean Observation Research Center, Japan Agency for Marine-Earth Science and Technology (JAMSTEC))

**c : Ecosystem response and adaptation mechanisms****Overview of ecosystem response, adaptation and evolution mechanisms**

**Michio Kondoh** (Professor, Graduate School of Life Sciences, Tohoku University)

**Changing approaches to monitoring ocean biodiversity change**

**Cheryl Lynn Ames** (Professor, Graduate School of Agricultural Science, Tohoku University)

**Gene network analysis for predicting functions in a species**

**Takeshi Obayashi** (Professor, Graduate School of Information Science, Tohoku University)

**Who We Are**

Toshio Suga



Kentaro Ando

**Keynote Lectures**

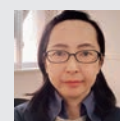
Hiroya Sugisaki



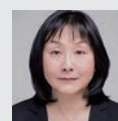
Hervé Claustre

**Scientific Activities**

Niklas Scheneider



Sayaka Yasunaka



Riko Oki



Michio Kawamiya



Sherwood Lan Smith



Shinya Kouketsu



Michio Kondoh



Cheryl Lynn Ames



Takeshi Obayashi

**Panel Discussion**

Fumio Inagaki



Jamie Kass



Yuriko Nagano



Angelicque White



Toyonobu Fujii

**05 Networking & Coffee Break** 15:30 → 16:30**06 Panel Discussion** 16:30 → 17:30**Facilitator**

**Fumio Inagaki** (Vice Director, WPI-AIMEC)

**Panelists**

**Jamie Kass** (Associate Professor, Graduate School of Life Sciences, Tohoku University)

**Yuriko Nagano** (Researcher, Research Institute for Global Change (RIGC), Japan Agency for Marine-Earth Science and Technology (JAMSTEC))

**Angelicque White** (Professor, the University of Hawaii at Manoa)

**Toyonobu Fujii** (Associate Professor, Graduate School of Agriculture Science, Tohoku University)

**07 Closing** 17:30 → 17:40