

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
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

Herve 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



Herve Claustre

Scientific Activities

Niklas Scheneider



Sayaka Yasunaka



Riko Oki



Michio Kawamiya



Sherwood Lan Smith



Shinya Kouketsu



Michio Kondoh



Cheryl Lynn Ames



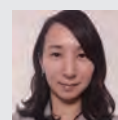
Takeshi Obayashi

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