

# "Changing Marine Ecosystems: Biogeography of Habitat Shifts and Adaptation to Oceanographic Variability"

Day 1 - November 20					
8:45	30	Welcome Coffee +Registration			
OPENING					
9:15	10	Satoshi Mitarai	Dean of Research/ Professor, OIST	Welcome to OIST	
Morning Session - Marine coastal systems and ecosystems					
9:30	15	Jiwei Yang	Postdoctoral Fellow, AIMEC	Thermal traps constrain temporal turnover in biodiversity	Chairs: Cheryl Ames Lauren Sallan
9:45	15	Vera Emelianenko	PhD Student, OIST	Exploring Symbiodiniaceae and other diverse symbiotic microeukaryotes associated with Okinawan coral reefs	
10:00	15	Nick Luscombe	Professor, OIST	Extreme Scrambling in Animal Genomes Reveals Principles of Regulatory Robustness and Speciation	
10:15	30	Coffee Break / Group photo			
10:45	15	Yuriko Nagano	Research Fellow, AIMEC	Ecological roles of fungi in the marine environment	
11:00	15	Shingo Miyauchi	Senior Staff Scientist, OIST	Discoveries of genomic treasures in deep-sea fungi	
11:15	15	Ettore Barbieri	Senior Researcher, AIMEC	Reconstructing Ecological Food Webs from Species Lists Using Large Language Models	
11:30	90	Lunch Break			
Afternoon Session - Monitoring the ocean environment across scales					
13:00	15	Gerlien Verhaegen	Project Researcher, AIMEC	Can I model your (plankton) data?	Chairs: Jamie Kass Oleg Sitsel
13:15	15	Naohisa Wada	Staff Scientist, OIST	Identification of Coral-Associated Microbial Aggregates (CAMAs) in Japan and Taiwan	
13:30	15	Kota Ishikawa	Assistant Professor, AIMEC	Hydrodynamic Drivers of Coral Reef Fish Biodiversity Revealed by Daily eDNA Monitoring	
13:45	45	Coffee Break			
14:30	15	Lael Wakamatsu	Postdoctoral Fellow, AIMEC	Modeling Harmful Algal Bloom Dynamics and Forecasting Potential in Coastal Japan	
14:45	15	Akinori Yabuki	Senior Researcher/ Professor, AIMEC	Toward understanding the diversity and ecological roles of unidentified Ascetosporeans	
15:00	15	Batdulam Battulga	Postdoctoral Fellow, AIMEC	A preliminary investigation of the distribution and characteristics of microplastics in coastal and near-shore areas in Onagawa Bay of Japan	
15:15	15	Angelicque White	Professor, Hawai'i U	Ecosystem change and resilience in the NPSG	
15:30	90	Lab tours at OIST, Breakout discussions			
17:00	120	Networking Dinner at Lab 5 atrium			

Chairs:  
Cheryl Ames  
Lauren Sallan

Chairs:  
Jamie Kass  
Oleg Sitsel

\*This program is subject to change without prior notice.

OISTxWPI-AIMEC (Tohoku U & JAMSTEC) - Joint Workshop

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Day 2 - November 21					
9:00	30	Welcome Coffee			
Morning Session - Satellite, imaging, oceanography					
9:30	15	Baolan Wu	Associate Professor, AIMEC	Enhanced Wintertime Current along the South China Sea Continental Slope over the Past Three Decades	Chair: Filip Husnik Kota Ishikawa
9:45	15	Andrew Hirzel	Postdoctoral Fellow, Hawai'i U	Large Scale Nitrogen Fixation Driven Bloom Observed North of the Hawaiian Islands, August 2024	
10:00	15	Namal Rathnayake	Project Researcher, AIMEC	Generative AI Reconstructs Subsurface Ocean Heat from Satellite Surface Temperature Anomalies	
10:15	15	Heng Wu	Research Technician, OIST	Field observation and numerical modeling of rip currents in coral reefs	
10:30	30	Coffee Break			
11:00	15	Ottavio Mazzaretto	Postdoctoral Fellow, OIST	Assessment and characterization of wave systems	
11:15	15	Zhen Lin	Postdoctoral Fellow, AIMEC	Western boundary current nutrient transports and ecosystem responses to climate change	
11:30	15	Niklas Schneider	Professor, Hawai'i U	Ocean-mesoscale air-sea interaction in the Gulf Stream and Kuroshio	
11:45	90	Lunch Break			
Afternoon Session - Implementation and Collaboration Framework					
13:15	1:30	Breakout groups and Bold Ideas Brainstorming			
14:45	1:00	Coffee Break + Transfer to Marine Science Station			
Poster Session					
15:45	2:00	Poster session (at Sea Nexus) and Tours			
17:45	0:15	Toshio Suga	Director, AIMEC	Closing Remarks	
18:10	0:20	Transfer to Onna			
18:30	1:30	Dinner / Free time in Onna village			

Chair:  
Filip Husnik  
Kota Ishikawa

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