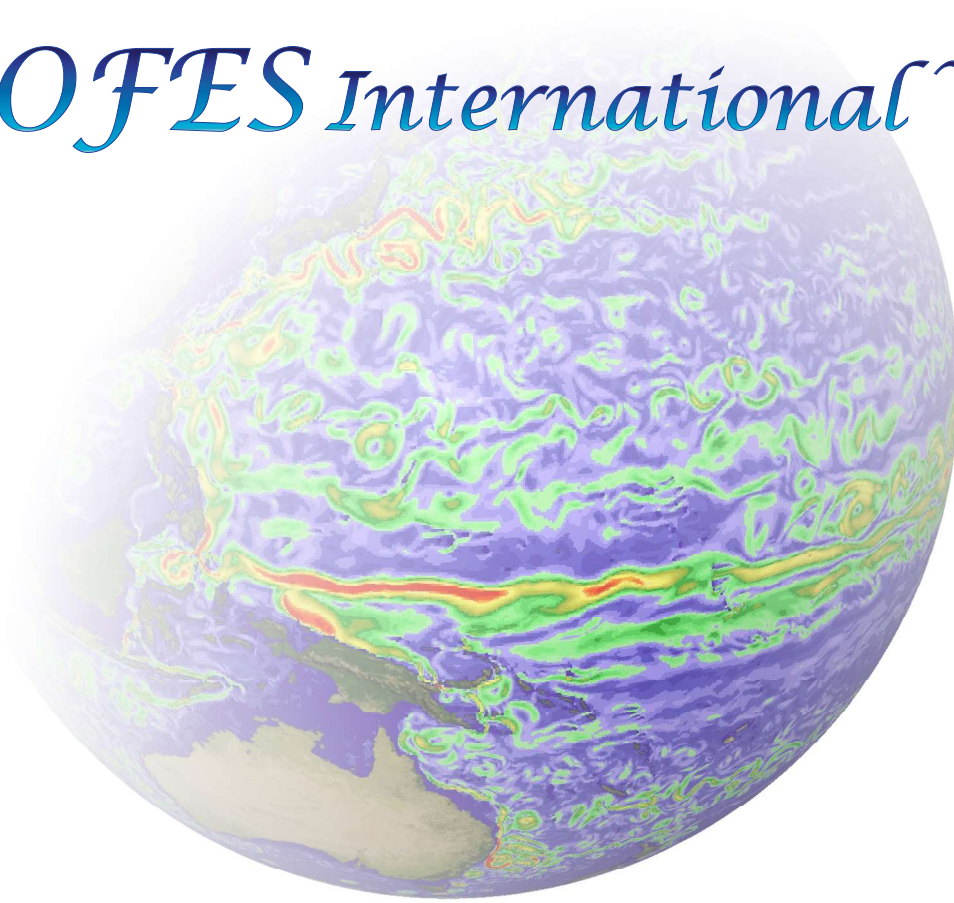


OIES International Workshop



Abstracts

Organizers

Earth Simulator Center (ESC/JAMSTEC)

Frontier Research Center for Global Change (FRCGC/JAMSTEC)

Application Laboratory on Climate Variation Studies (APL/JAMSTEC)

International Pacific Research Center (IPRC)

Conveners

Yukio Masumoto (FRCGC/JAMSTEC, The University of Tokyo)

Hideharu Sasaki (ESC/JAMSTEC)

AUGUST 25-26, 2008

MIYOSHI MEMORIAL AUDITORIUM

JAMSTEC YOKOHAMA INSTITUTE FOR EARTH SCIENCE

YOKOHAMA, JAPAN

Workshop Schedule

Monday August 25

9:30 - 10:00

Registration

Opening Session

Chairperson: Y. Masumoto

10:00 - 10:10

Opening Address

Shiro Imawaki (JAMSTEC)

10:10 - 11:00

[Keynote Presentation](#)

Kirk Bryan (Princeton University)

Ocean Circulation Models: Past, Present, and Future.

11:00 - 11:15

[Brief Overview of OFES](#)

Yukio Masumoto (FRCGC/JAMSTEC, The University of Tokyo)

Session I: Mid-high Latitude Ocean

Chairperson: S.-P. Xie

11:15 - 11:35

Niklas Schneider (IPRC)

[The Kuroshio Large Meander in OFES](#)

11:35-11:55

Bo Qiu (University of Hawaii)

[Eddy-Mean Flow and Eddy-Eddy Interaction from Satellite Altimetry](#)

[Measurements and OFES Model](#)

11:55 - 12:10

Bunmei Taguchi (ESC/JAMSTEC)

[Decadal Variability of Kuroshio Extension: Mesoscale Eddies and Recirculations](#)

OFES International Workshop

12:10 - 12:30

Photo Session

12:30 - 13:45

Lunch Break

13:10 - 13:40

ES Tour

13:45 - 14:00

Masami Nonaka (FRCGC/JAMSTEC)

[Interannual-to-Decadal Variations in the Kuroshio Extension Region in OFES](#)

14:00 - 14:15

Hisashi Nakamura (FRCGC/JAMSTEC, The University of Tokyo)

[Influence of Midlatitude Oceanic Frontal Zones on the Atmospheric Circulation and Variability: Importance of High-Resolution Ocean Modeling](#)

14:15 - 14:35

Wei Zhuang (South China Sea Institute of Oceanology)

[Intraseasonal Variability of Sea Surface Height and Eddy Energy in the South China Sea](#)

Chairperson: N. Schneider

14:35 - 14:55

Lijuan Li (Ocean University of China)

[Interannual Variation of Kuroshio East of Taiwan Island](#)

14:55 - 15:15

Hirohiko Nakamura (Kagoshima University)

[Seasonality of the Kuroshio Path Destabilization in the Okinawa Trough](#)

15:15 - 15:30

Yoshimi Kawai (IORGC/JAMSTEC)

[Decadal-Scale Changes in Meridional Heat Transport Across 24°N in the Pacific Ocean](#)

15:30 - 15:50

Shigeru Aoki (Hokkaido University)

[The Southern Ocean Observed by the OFES - SAMW Formation and Antarctic Divergence Eddies -](#)

15:50 - 16:10

Tea Break

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Session II: Ecosystem

Chairperson: A. Ishida

16:10 - 16:30

Emanuel Di Lorenzo (Georgia Institute of Technology)

[The North Pacific Gyre Oscillation Links Ocean Climate and Ecosystem Change](#)

16:30 - 16:45

Yoshikazu Sasai (FRCGC/JAMSTEC)

[Effects of Mesoscale Eddies on Marine Ecosystem in the Kuroshio Extension Region Using an Eddy-Resolving Coupled Physical-Biological Model](#)

16:45 - 17:05

Teruhisa Komatsu (The University of Tokyo)

[Distribution and Transport of Drifting Seaweeds Rafts in East China Sea Estimated by Forward Tracking Method using OFES Surface Current Dataset](#)

17:05 - 17:25

Jean-Baptiste Filippi (University of Corsica)

[Back-Tracking Drifting Seaweeds in East China Sea with OFES Current Forcing](#)

18:00 - 19:30

Reception (Guest House)

Tuesday August 26

Session III: Ocean Dynamics

Chairperson: K. Richards

9:30 - 9:50

Shang-Ping Xie (IPRC)

[Imprints of Coastal Mountains on Ocean Circulation and Variability](#)

9:50 - 10:10

Oleg Melnichenko (IPRC)

[Striations in the OFES Oceans](#)

10:10 - 10:30

Jin-Song von Storch (Max-Planck-Institute for Meteorology)

[Wind-Generated Power Input to the Deep Ocean](#)

10:30 - 10:50

Xiaopei Lin (Ocean University of China)

[The Mechanism of Latitudinal Dependence of Peak-Spectrum Sea Surface Height](#)

10:50 - 11:10

Tea Break

Chairperson: N. Maximenko

11:10 - 11:30

Shoshiro Minobe (Hokkaido University)

[Challenges in Era for Eddy Resolving: Strategies for Model vs. Observation Comparison](#)

11:30 - 11:45

Mototaka Nakamura (FRCGC/JAMSTEC, IPRC)

[Small-Scale Quasi-Geostrophic Transient Wave Forcing in OFES](#)

11:45 - 12:05

Yoshinobu Wakata (Kyushu University)

[Equatorial Kelvin Waves with a Period of 120 Days](#)

12:05 - 12:25

Kunihiro Aoki (Hokkaido University)

[Mid-Latitude Baroclinic Rossby Waves in the OFES Simulation](#)

12:25 - 12:40

Nori Aiki (IPRC/JAMSTEC)

[Energetic of Ekman Transports in Global Ocean](#)

12:40 - 13:40

Lunch Break

Session IV: Tropical Ocean

Chairperson: S. Minobe

13:40 - 14:00

Kelvin Richards (IPRC)

[Currents and Mixing in the Western Equatorial Pacific](#)

14:00 - 14:15

Takuya Hasegawa (IORGC/JAMSTEC)

[Coastal Upwelling and Related Oceanic Variations in the Western Part of the Pacific Warm Pool](#)

14:15 - 14:35

C.-W. June Chang (National Taiwan University)

[Upper Oceanic Process and Sea Surface Temperature Interannual Variability in the Philippine Sea](#)

14:35 - 14:55

Sachiko Yoshida (IPRC)

[Eddy Characteristics in the Lee of Hawaiian Islands](#)

14:55 - 15:10

Hideharu Sasaki (ESC/JAMSTEC)

[Seasonal and Interannual Variability of Hawaiian Lee Countercurrent](#)

15:10 - 15:25

Takeshi Doi (The University of Tokyo)

[Seasonal and Interannual Variations of Oceanic Conditions in the Tropical Atlantic](#)

15:25 - 15:45

Tea Break

Chairperson: Y. Masumoto

15:45 - 16:00

Yukio Masumoto (FRCGC/JAMSTEC, The University of Tokyo)

[Indonesian Throughflow in OFES](#)

16:00 - 16:20

P.N. Vinayachandran (Indian Institute of Science)

[Evolution of the 2006 Indian Ocean Dipole in an Ocean General Circulation Model](#)

16:20 - 16:40

Yan Du (South China Sea Institute of Oceanology)

[Seasonal Heat Budget in the Mixed Layer of the Southeastern Tropical Indian Ocean in OFES](#)

16:40 - 16:55

Akio Ishida (FRCGC/JAMSTEC)

[Tracer Transport Variability in the Arabian Sea in OFES](#)

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16:55 - 17:10

Iskhaq Iskandar (IORGC/JAMSTEC)

[Equatorial Undercurrent in the Indian Ocean as Simulated in OFES](#)

17:10 - 17:25

Tomomichi Ogata (The University of Tokyo)

[Interannual Modulation of Intraseasonal Variability in the Tropical Indian Ocean](#)

Session V: Future perspective

Chairperson: Y. Masumoto

17:25 - 17:35

Hideharu Sasaki (ESC/JAMSTEC)

[Toward a 1/30° North Pacific Simulation of OIFES \(Ocean-Sea-Ice Model for the Earth Simulator\)](#)

17:35 - 17:45

Nobumasa Komori (ESC/JAMSTEC)

[Current Status of CFES \(Coupled Atmosphere-Ocean GCM for the Earth Simulator\)](#)

17:45 - 18:00

Discussion

18:00

Adjourn