

International Workshop on Ocean Waves and Related Processes

26th (Friday) July, 2013

Yokohama Institute for Earth Sciences, JAMSTEC

3173-25 Showa-machi, Kanazawa-ku, Yokohama, Kanagawa, 236-0001

Agenda

Session Chair: Yasumasa Miyazawa

10:00-10:50

Lakshmi Kantha (University of Colorado): Keynote Lecture

Wave-Turbulence Interactions

10:50-11:15

Hidenori Aiki (JAMSTEC)

Momentum fluxes to ocean circulation as given by the dissipation rate of surface waves under tropical cyclone conditions

11:15-11:40

Hitoshi Tamura (JAMSTEC)

The Stokes drift and wave-induced mixing

11:40-13:00

Lunch Break

Session Chair: Hitoshi Tamura

13:00-13:25

Sergey Varlamov (JAMSTEC)

TBD

13:25-13:50

Yusuke Uchiyama (Kobe University)

Wave-current interaction in inner shelf circulation: a high resolution regional ocean modeling with a vortex-force formalism

13:50-14:15

Xiao Hua Wang (The University of New South Wales)

The effect of wave-current interaction on sediment transport dynamics in the coastal oceans

14:15-14:30

Tea Break

Session Chair: Sergey Varlamov

14:30-14:55

Yasumasa Miyazawa (JAMSTEC)

Internal tide variability south of Japan: modeling and observation

14:55-15:20

Philippe Guyenne (University of Delaware)

A theoretical model for internal wave signatures

15:20-15:45

Takuji Waseda (The University of Tokyo)

Adjustment of quasi-resonant and resonant interaction of surface gravity waves
by current

15:45-16:00 Tea Break

Session Chair: Takuji Waseda

16:00-16:25

Tripp Collins (University of Miami)

Extreme Waves Measured during the ITOP Experiment

16:25-16:50

Keiji Kiyomatsu (The University of Tokyo)

Wave and current observations at Kozu Island wave energy converter test site

16:50-17:15

Björn Lund (University of Miami)

Surface wave and current retrieval from shipboard marine radar: Challenges
and attempts at solutions

How to get to Yokohama Institute for Earth Sciences, JAMSTEC:

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