

"Workshop on the vertical processes in the shelf region of the East China Sea"

at W501, RIAM Kyushu University, Kasuga

10:00-16:50, 22 February 2011

Conveners: Joji Ishizaka (Nagoya Univ.) and Takeshi Matsuno (Kyushu Univ.)

In this workshop, we would like to discuss the vertical processes including physical, chemical and biological senses. Three sessions will be set to discuss on specified topics, as follows,

Each session consists of short talks about 10 min by participants and discussion on the topics of the session.

Topic 1 : Stratification and the vertical mixing in the CDW region

10:00-10:30

Measurements of microstructure (J.H.Lee, KORDI)

Measurements of microstructure and upwelling (X.Lin, Ocean Univ. China )

Measurements of microstructure and finestructure (T.Endo, Kyushu Univ.)

10:30-11:00

*Discussion on vertical mixing in the shelf region*

11:00-11:40

Nutrients for the primary production (J.Ishizaka, Nagoya Univ., J.Zhang, Univ. Toyama)

Estimation of nutrient supply for chl-maximum (T.Matsuno, Kyushu Univ.)

Behavior of fresh water (Y.Wang, Ehime Univ.)

11:40-12:10

*Discussion on behavior of nutrients and fresh water*

Topic 2 : Interaction with atmosphere

13:30-14:00

Response to the typhoon passage (S.K.Kang, KORDI)

Biological response to the passage of typhoon (J.Ishizaka, Nagoya Univ.)

Influence of meso-scale phenomena on the atmosphere (A.Isobe, Ehime Univ.)

14:00-14:30

*Discussion on the ocean-atmospheric interaction*

14:30-14:50

Ekman layer dynamics (K.T.Jung, KORDI)

Influence of variable heat flux on the Ekman layer (Y. Ide, Kyushu Univ.)

14:50-15:20

*Discussion on the wind driven surface current*

Topic 3 : Role of suspended sediments and bottom boundary layer

15:40-16:20

Behavior of suspended particles (X.Guo, Ehime Univ.)

Chemical and biological role of the suspended particles

(J.Ishizaka,Nagoya Univ., J.Zhang, Univ. Toyama)

Boundary process just above the bottom (Y.Yoshikawa, Kyushu Univ. )

16:20-16:50

*Discussion on the wind driven surface current*

Participants can present their research products in each session with ppt including several slides. We can freely discuss based on the topics. So, speakers do not need to prepare for full talk, but need to prepare several slides to explain the essence of the researches.