

# **International Workshop on Development and Application of Regional Climate Models-II**

## **General Information**

We have the pleasure of announcing the Regional Climate Modeling Workshop II following its successful first workshop in Seoul, Korea in 2011. The workshop was motivated with the realization that physically-based regional climate projections are the starting point for many socio-economic impact and adaptation considerations to future climate. While the global coupled models capture large-scale climate behavior, they have limitations for regional assessment due to their coarse spatial resolutions and lack of regionally important physical processes. As was the case in the 1<sup>st</sup> workshop, we invite presentations that discuss the regional climate projections based on ocean or coupled models, novel downscaling techniques including implementation of surface and lateral boundary conditions, and existing roadblocks. We also encourage papers to consider both physics and biogeochemistry.

Extending the scope of the workshop, we also invite presentations for the 2<sup>nd</sup> workshop that discuss some pivotal physical and biological processes important to climate projections focusing on ocean's sub-mesoscale motions. There is considerable current interest in motions in the ocean on the sub-mesoscale and their impact on the marine ecosystem. Understanding the fundamental physics of these motions, their influence on lateral and vertical transports, and how they influence the functioning of the marine ecosystem is necessary in order to be able to assess likely changes and shifts to the system under a changing climate. The presentations will discuss the following key questions; How much do we know? Do we know enough to be able to say with confidence how conditions at these scales may change? What are the major unanswered questions? Other oceanographic processes important to the regional climate projections will also be addressed.

Also invited are presentations on the climate variability of and changes in physical and biogeochemical properties in the North Pacific based on long-term observational data and climate models.

## **Dates and venue**

The workshop will be held on September 10 – 12, 2013, at Novotel Ambassador Busan, Busan, Korea.

## Conveners

Kyung-Il Chang

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## Sponsors

OCCAPA Program funded by Ministry of Oceans and Fisheries, Korea

Research Institute of Oceanography (RIO), Seoul National University

North Pacific Marine Science Organization (PICES)



## Sessions

Regional Ocean Climate Projections : Status and lessons learnt

North Pacific Climate Variability and Change from Models and Data

The Ocean Sub-mesoscale

Miscellaneous

## **Invited speakers** (total 18 as is on June 20, 2013)

### ● **Downscaling Session**

- ✓ Ping Chang (Texas A&M Univ., USA)
- ✓ Yang-Ki Cho (SNU, Korea)
- ✓ Enrique Curchitser (Rutgers Univ., USA)
- ✓ Michael Foreman (IOS, Canada)
- ✓ Jason Holt (NOC, UK)
- ✓ Kwang-Yul Kim (SNU, Korea)
- ✓ Hyodae Seo (WHOI, USA)
- ✓ Liwei Zou (IAP, China)

### ● **Submesoscale Session**

- ✓ Hidenori Aiki (JAMSTEC, Japan)
- ✓ Annalisa Bracco (Georgia Tech, USA)
- ✓ Paulo Calil (FURG, Brasil)
- ✓ Chris Edwards (UCSC, USA)
- ✓ Patrice Klein (IFREMER, France)
- ✓ Marina Levy (UPMC, France)
- ✓ Kelvin Richards (Univ. of Hawaii, USA)
- ✓ Leif Thomas (Stanford Univ., USA)

### ● **North Pacific Climate Variability**

- ✓ Shoshiro Minobe (Hokkaido Univ., Japan)

### ● **Other ocean climate-related issues**

- ✓ Robert Leben (Univ. Colorado, USA)
- ✓ Benjamin Hamlington (Univ. Colorado, USA)

## **Registration**

Please fill in the attached registration form to return to [kichang@snu.ac.kr](mailto:kichang@snu.ac.kr) (Kyung-II Chang) until **July 31, 2013**.

## **Submission of extended abstract**

All invited and contributing speakers are requested to submit extended abstracts of 5 up to 10 pages including figures. There is no specific format for the abstracts, but they should be produced using MS Word so that we can edit the abstracts. We may also request to submit original figure files.

Send your abstract to [kichang@snu.ac.kr](mailto:kichang@snu.ac.kr) (Kyung-II Chang).

The deadline for abstract submission is **August 15, 2013**.

## Travel arrangement for overseas invited speakers

A Korean travel agent will contact each invited speaker to arrange flight schedule. If you have any difficulty in the arrangement with the travel agent, please do not hesitate to contact the local organizer ([kichang@snu.ac.kr](mailto:kichang@snu.ac.kr)). Your final destination from your countries will be the Gimhae International Airport in Busan, Korea (<http://www.airport.co.kr/mbs/gimhaeeng/>).

## HOTEL INFORMATION/LOCATION

- NOVOTEL AMBASSADOR BUSAN (<http://www.novoelbusan.com>)



**Address : 1405-16, Jung-Dong, Haeudaegu, Busan, Korea**

**Tel : 82-51-743-1234 Fax : 82-51-743-1250**

**From GIMHAE International Airport (<http://www.airport.co.kr/mbs/gimhae>)**

- Limousine Bus:

Cost : Adult-KRW 7,000, Kid-KRW 4,500

Operation Hours : every 20 minutes

To Hotel 7:10 ~ 21:40 Airport 5:10 ~ 19:50

- Bus No.: 307

- Taxi : 1hour, Fee : About KRW 25,000

# Regional Climate Modeling Workshop II

Busan, Korea – September 10 to 12, 2013

## Registration Form

To return to Local Organizer – Fax +82-2-872-0311

Email: [kichang@snu.ac.kr](mailto:kichang@snu.ac.kr)

**Before July 31, 2013**

### 1. Registration

Mr.                       Ms.                       Prof.                       Dr.

First Name : \_\_\_\_\_ Last Name \_\_\_\_\_

Department : \_\_\_\_\_

Institution/Organization : \_\_\_\_\_

Address : \_\_\_\_\_

Zip code : \_\_\_\_\_ City : \_\_\_\_\_

Country : \_\_\_\_\_

Phone : \_\_\_\_\_ Fax : \_\_\_\_\_

Email : \_\_\_\_\_

### 2. Presentation

I want an oral presentation (     ). I want a poster presentation (     ).

Authors: \_\_\_\_\_

Title of presentation: \_\_\_\_\_

Date:

Signature: