International Workshop

for

Numerical Ocean Modeling

and Prediction

April 23-25, 2008

Taipei, Taiwan

http://efdl.as.ntu.edu.tw/workshop/iwnop

The Earth is experiencing significant changes in its climate and environment. The world's oceans play key roles in modulating and regulating climate change. Oceanographers, meteorologists and climate scientists are being called upon to make more accurate predictions about these changes and their influence on human society with increasing urgency. High resolution, accurate and verifiable numerical ocean models are essential tools for the understanding and prediction of long-term weather and climate, with El Niño, Asia monsoons and decadal variability being three very important examples. Modeling the ocean circulation and structure with fidelity is also critical to applications such as marine ecology and fisheries management, oil spills and pollution abatement, transportation and naval operation.

In recent years, ocean circulation real-time nowcasts and forecasts have become of increasing importance as their accuracy and reliability have increased. Operational ocean prediction is a complex challenge and requires sophisticated and robust protocols which necessitate comprehensive validation procedures and ongoing analysis. This workshop will bring together international leaders to discuss modern ocean modeling and prediction, using the most advanced numerical techniques and at scales ranging from coastal ocean to the global ocean.

The workshop will be held between 23-25 April 2008, and will be focused on three major themes:

- ***Advanced numerical modeling techniques***
- ***Air-sea (ocean-atmosphere) interaction***
- ***Nowcast and forecast model skill assessment***

Workshop will include oral and poster presentations for invited and contributed papers. Abstract should be submitted as an attachment to yhtseng@as.ntu.edu.tw

Registration will remain open until 17 April, 2008.

Sponsors:

Registration & Information

Please send the registration form by e-mail (yhtseng@as.ntu.edu.tw) or by fax (+886-2-2363-3642). You can also register online via http://efdl.as.ntu.edu.tw/workshop/iwnop

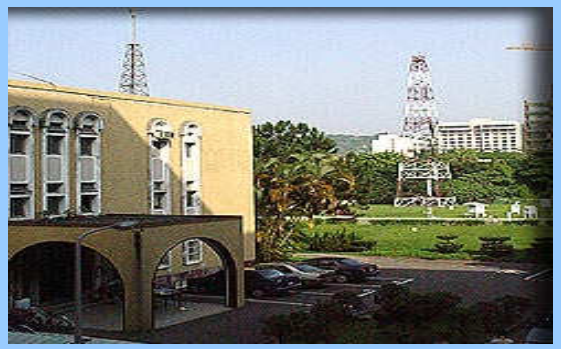
There is no registration fee to attend the workshop.

Organizing Committee:

Prof. Christopher N. K. Mooers, Univ. of Miami, USA
Prof. Malcolm Bowman, Stony Brook Univ., USA
Prof. Yu-Heng Tseng, National Taiwan Univ., Taiwan

Keynote speakers:

Prof. Keith Thompson (Dalhousie Univ., Canada)
Prof. Emil V. Stanev (GKSS, Germany)
Prof. Chris Mooers (Univ. of Miami, USA)
Prof. Kyung-II Chang (Seoul National Univ., Korea)



April 23, 2008 (Wednesday)

時間	內容
09:30~10:00	Registration
10:00~10:20	Welcome & Opening Remarks
10:20~11:10	Keynote speech (I)-Emil V. Stanev (GKSS, Germany)
11:10~12:00	Keynote speech (II)- Kyung-II Chang (Seoul National Univ., Korea)
12:00~13:20	Lunch Break
13:20~14:00 14:00~14:40 14:40~15:20	Session A：Advanced numerical modeling techniques 1.Naoki Hirose (Kyushu Univ., Japan) 2.Joanna Staneva (GKAA, Germany) 3.David E. Dietrich (AcuSea Inc., USA)
15:20~15:30	Coffee Break
15:30~17:00	Campus walking tour-history
17:00	Welcome Dinner-NARL director

April 24, 2008 (Thursday)

時間	內容
09:00~09:40 09:40~10:20	Session B：Air-sea-ice interaction 1.Jinyu Sheng (Dalhousie Univ., Canada) 2.Wen-Yih Sun (TTFRI, Taiwan)
10:20~10:40	Coffee Break
10:40~11:20 11:20~12:00	3.Mei-Ying Lin (TTFRI, Taiwan) 4.Yu-heng Tseng (National Taiwan Univ., Taiwan)
12:00~13:20	Lunch Break
13:20~14:10	Keynote speech (III)- Chris Mooers (Univ. of Miami, USA)
14:10~14:50 14:50~15:30	Session C：Model nowcast and forecast assessment 1.Masafumi Kamachi (Meteorological Research Institution, Japan) 2.Avichal Mehra (NOAA, USA)
15:30~15:40	Coffee Break
15:40~17:00	Campus walking tour-nature
17:00~18:00	Poster section
18:30~	Dinner

April 25, 2008 (Friday)

時間	內容
09:00~09:50	Keynote speech (IV)-Keith Thompson (Dalhousie Univ., Canada)
09:50~10:30	Session C：Model nowcast and forecast assessment Malcolm J. Bowman(Stony Brook Univ., USA)
10:30~10:50	Coffee Break
10:50~11:50	Future concepts and directions
11:50~12:00	Closing remark

Workshop Location:
Barry Lam Hall of EECS Room 201