



The Abdus Salam
**International Centre
for Theoretical Physics**
www.ictp.it



School on
***Ocean Climate Modelling: Physical and Biogeochemical
Dynamics of Semi- enclosed seas***
September 28 - October 1, 2015

**Middle East Technical University (METU)
Ankara, Turkey**

The Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) is organizing the **Advanced School on *Ocean Climate Modelling: Physical and Biogeochemical Dynamics of Semi- enclosed seas***, to take place from September 28 - October 1, 2015 at METU in Ankara, Turkey.

The school will focus on the dynamics of coastal and semi-enclosed seas and its relevance to global scale circulation. The school will emphasize topics that are relevant for the Mediterranean, Black, and Caspian Seas. Lectures will introduce students to regional and coastal modeling, with emphasis on upwelling, nesting capabilities, adaptive grid solutions and applications to biogeochemical dynamics and their representation in physical models. Particular attention will be given to physical-biogeochemical interactions in upwelling regions. Dynamics of straits and overflows will also be treated in terms of their local effects and numerical representation, as well as their global impact in terms of circulation variability and stability.

The four main themes of the school will cover (i) ***Coastal and regional modelling: numerical and physical aspects***, (ii) ***Transport, mixing and turbulence: from mixing in straits to upwelling systems***, (iii) ***Biogeochemical and ecological modeling in semi-enclosed seas and coastal areas***, and (iv) ***Applications: coastal forecasting and operational oceanography***. Afternoon sessions will be devoted to practical exercises and research projects.

The school will be followed by a **2-day workshop** (October 2-3) devoted to the **CLIVAR Research Focus on Upwelling Systems**.



Call For Papers

A poster presentation is strongly encouraged. A **one-page** abstract should be uploaded **directly to the on-line application**. (Please upload file attachments in **.pdf**)

PARTICIPATION: Limited funding (including travel grants) for participation in the workshop is available for scientists from developing countries. The School will be conducted in English. **Registration is free-of-charge for all attendees.**

The "On-line Application" form can be accessed on the **ICTP activity website** at:
<http://indico.ictp.it/event/a14262/>
inclusive of a **step-by-step instruction guide**.
(Please save and upload file attachments in either: **RTF format, .doc or .pdf**)

PRE-ACTIVITY SECRETARIAT:

Secretary, Lisa Iannitti
c/o the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34151 Trieste, Italy
phone: +39-040-2240227, E-mail: smr2711@ictp.it
ICTP Organizer: R. Farneti: email: rfarneti@ictp.it



co-sponsor



ORGANIZERS

G. DANABASOGLU
(NCAR, USA)

R. FARNETI
(ICTP, Italy)

E. OZSOY
(METU, Turkey)

C. SOLIDORO
(OGS, Italy)

MAIN SPEAKERS

A. BRACCO
(GEORGIA TECH, USA)

E. CURCHITSER
(RUTGERS U., USA)

G. DANABASOGLU
(NCAR, USA)

S. DANILOV
(AWI, GERMANY)

M. ILICAK
(U. BERGEN, NORWAY)

W. LARGE
(NCAR, USA)

M. LEVY
(NCAR, USA)

E. OZSOY
(METU, Turkey)

N. PINARDI
(U. BOLOGNA, ITALY)

ICTP Home page: <http://www.ictp.it/>
METU Home Page: <http://www.metu.edu.tr/>

DEADLINE: 1 June, 2015

