



The Abdus Salam
International Centre for Theoretical Physics



Workshop on Physics for 'RENEWABLE ENERGY'

October 17 - 29, 2005

Miramare-Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy, will conduct a *Workshop on Physics for 'Renewable Energy'*, to be held from **October 17 to 29, 2005**. It will be directed by G. Furlan (University of Trieste & ICTP, Italy), D. Nobili (Istituto per la Microelettronica e i Microsistemi [IMM], Bologna, Italy), A.A.M. Sayigh (Secretary-General, World Renewable Energy Network [WREN]) and B. Stewart (ICTP, Italy).

The Workshop will be devoted to recent advances in Materials Science and Physical Technologies for Renewable Energy with emphasis on Photovoltaics (devices and materials), Hydrogen (production and utilization), Fuel Cells and Batteries. *State-of-the-art* lectures will be devoted to Novel Thermal Applications, Solar Architecture, Wind and Geothermal and other forms of Energy. The Environmental and Economical aspects will also be discussed.

The activity will be based on daily plenary lectures given by an international faculty plus seminars by visiting experts, including computer demonstrations. Study groups and poster sessions will be organized. Visits to nearby installations and factories are foreseen.

Presentations by participants will represent an important part of the activity. In this regard applicants are urged to submit, together with the application form, a *one-page abstract* of the research work they intend to present, which will be eventually refereed by a Scientific Committee.

PARTICIPATION

The workshop is intended for scientists and graduate students working in the areas of Physics and Mathematics. It is open to scientists from all member countries of the United Nations, UNESCO and IAEA. Although the main purpose of the Abdus Salam ICTP is to help researchers from developing countries through a program based on international co-operation, scientists from developed countries are also welcome to attend. The activity will be conducted in English.

Limited funding (including travel grants) for participation in the workshop is available for scientists from Developing Countries. Such financial support is granted only for those who attend the entire activity. **Registration is free-of-charge.**

Those wishing to apply should be complete and return the "Request for Participation" form, to be found at the back of the Bulletin (via WWW Server: <http://agenda.ictp.it/smr.php?1679> & at web address <http://www.ictp.it/~smr1679/>). The deadline for submitting *requests for participation* to the workshop is **June 25, 2005**. *The completed form should be sent either by electronic mail, fax or mail to:*

Workshop on *Physics for 'Renewable Energy'*
the Abdus Salam International Centre for Theoretical Physics (ICTP)
c/o Lisa Iannitti [smr1679]
Strada Costiera 11, 34014 Trieste, Italy

e-mail to: smr1679@ictp.trieste.it, web page address:
<http://www.ictp.it/~smr1679/>

(Please save and send file attachments in RTF format)

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Directors

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D. Nobili (IMM-Bologna, Italy)
A.A.M. Sayigh (WREN, UK)
B. Stewart (ICTP, Italy)

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*Deadline for
requesting funds*

June 25, 2005