



**EUROPEAN ENERGY CENTRE**  
**United Kingdom**  
 &  
**CENTRO STUDI GALILEO**  
**ITALY**



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**Training based on the European Project EMTEU**  
**- Energy Management Technician in Europe -**  
**for the creation of a much needed specialised**  
**workforce for the renewable Energy sector.**



**INTERNATIONAL SEMINARS ON RENEWABLE ENERGY**



**EUROPEAN CENTRE FOR RENEWABLE ENERGY**  
**EUROPEAN ENERGY CENTRE U.K.**  
**CENTRO STUDI GALILEO ITALY**  
**Solar Photovoltaic 17-18 March 2010**  
**Solar Thermal 19-20 March 2010**

The seminars held in Milan (Italy) are specifically designed for an International audience, aimed specifically at design engineers, contractors, installers and maintenance personnel.

You will have the opportunity to learn from worldwide experts at the Renewable Energy Centre in Milan (Italy) and you will have the opportunity to meet and share opinions and information with individuals from different working backgrounds and experience in the field.

*Those seminars provide the answers to the world needs for new technologies in renewable energies. The seminars have been organised following the very high demand for new technologies in renewable energies which have been discussed during the last two international conferences just a few months ago.*

*The above seminars are the technical conclusions of:*  
 1) Green New Deal: latest technology in the XIII European Conference with the United Nations-UNEP in Milan.  
 2) Green New Deal: "Getting ready for Renewable Energy" Conference in Pune-India.



**under the auspices of the Presidency of the Council of the Ministers and 5 Ministers**

**Location: Via Pusiano 52, Milan - Italy**  
**near Tangenziale Est,**  
**Metro: linea 2 Verde Station Cimiano**  
**Airports: Malpensa, Linate, Orio al Serio Milano**

*Organized by:*

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**The European Centre for Renewable Energy Milan - Italy**  
 recently inaugurated by the **United Nations' director,**  
**Mr Rajendra Shende (photo below)**



(on the right) Rajendra Shende director UNEP at the Solar Photovoltaic plants of CEER, the PV system is used for teaching during the periodical training.



(on the left) the vacuum solar panels, one of the several thermal solar panels used during the training.

**Trainers of the International Seminars on photovoltaic and thermal solar at the European Centre for Renewable Energy:**



**Ian Tansley, expert of the Institute of Alternative Technology-Wales, Bright Light Solar-United Kingdom, with a world-renowned experience; more than 20 years experience of solar technologies; he has designed and deployed solar solutions for a wide range of clients worldwide including World Bank, World Organisations and the United Nations.**

**Main Speaker at the International conference "Getting Ready for Renewable Energy" in Pune - India.**



**Jyotirmoy Roy, University of Loughborough-Leicester UK, Applied Photovoltaic Research Group at the Centre for Renewable Energy Systems Technology (CREST) and with worldwide practical experience.**

**Main Speaker at the International conference "Getting Ready for Renewable Energy" in Pune - India.**

# Seminar

## in Solar Photovoltaic

Milan (Italy), 17th-18th March 2010

### Programme:

Conformation of the light. Photovoltaic effect.  
 Photovoltaic cells. Materials. Features.  
 Daily energy/annual.  
 Positioning of the modules photovoltaic Energy.  
 Typology of use of electric energy (isolated systems - systems join to net).  
 Photovoltaic Illumination.  
 Establishing electric of connection and utilisation.  
 Project and designing of a photovoltaic installation.  
 The electric load.  
 Costs and evaluation of the economical solutions.  
 Contributions to the accomplishment.  
 Maintenance and reliability.  
 Realised solutions.  
 Typologies and modality of installation.  
 Integration of the photovoltaic modules in the building structure. Payback time. Economical prospective.  
 Renewable energy applied to refrigeration and air conditioning.

Conclusions, highlights of the latest technologies in renewable energy discussed on the 13th European Conference United Nations-UNEP and CSG in Milan and from the worldwide conference of Centro Studi Galileo in India.

**Participation certificate provided.**

**Subscription fee:** Euro 432,00 (tax included)



# Seminar

## in Thermal Solar

Milan (Italy), 19th-20th March 2010



### Programme:

Climatic and data elaboration.  
 Solar systems. Storage of energy.  
 Establish the conversion solar energy in thermal energy and in mechanical energy.  
 Calculation of the thermal requirements.  
 Passive components.  
 Calculation of the designing surface of the system.  
 Calculation some volume of accumulation (ground storing). Economical Budgets Regulation of the installations to solar energy. Regulations.  
 Illustration of installations and systems.  
 Methodology of calculation. Data and costs of realised installations. Savings carried out.  
 Installation of the system Installation of the tank.  
 Installation of the solar regulation switchboards.  
 Installation hydronic circuit of the solar.  
 Solar system in connection with absorption and with heat pumps. Renewable energy applied to refrigeration and air conditioning.

Technical conclusions, highlights of the latest technologies in renewable energy discussed on the 13th European Conference United Nations-UNEP and CSG in Milan and from the worldwide conference of Centro Studi Galileo in India.

**Participation certificate provided.**

**Subscription fee:** Euro 432,00 (tax included)

### Subscription to:

**Seminar in Solar Photovoltaic 17<sup>th</sup> - 18<sup>th</sup> March 2010 – Milan**

**Euro 432 (tax included)**

**Seminar in Thermal Solar 19<sup>th</sup> - 20<sup>th</sup> March 2010 – Milan**

**Euro 432 (tax included)**

To confirm the registration, it is necessary to pay the fee of participation for each person,

- with money transfer into Credito Piemontese, branch of Casale Monferrato (AL), Banking coordinates C/C 2737901, ABI 05010, CAB 22603, CIN B, IBAN IT52 B0501022 6030 0000 2737 901, BIC SWIFTPIEMITTT (addressed Centro Studi Galileo, VAT IT02162970061, Via Alessandria 10/12, 15033 Casale M., Italy)
- with credit card fill this form

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Send registration form and copy of the payment receipt by fax to +390142341009 or by email to [training@centrogalileo.net](mailto:training@centrogalileo.net)

**Subscription fee includes: seminar kit, seminar proceedings, participation certificate.**

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