

**SATURDAY 29 AUGUST 2015**

**09:00**      **Projects Presentations**  
**Conclusions**

- Award ceremony: Certificates and Innovation Awards  
An exhibition of RES developments and applications will take place in the Conference Centre.

Companies and other legal and/or physical speakers are invited to present Innovators, potential designs / products on PV, technologies, solar thermal systems, electronics, data analysis, management systems con-

After lectures free for swimming and other social events.

## SPONSORS



Amalthia -Kombatsiari Bros S.A.

Participation Fee : 150 € (to be paid upon registration)

*MSc in Renewable Energy Systems (R.E.S.)*

*Technological Educational Institute of Western Greece*

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TECHNOLOGICAL EDUCATIONAL INSTITUTE (T.E.I.) OF WESTERN GREECE

*MSc course in RENEWABLE ENERGY SYSTEMS (RES)*

*with specialization in:*

- 1. PV Systems, Wind Energy, Solar Thermal Engineering*
- 2. Zero Energy Buildings, Passive Solar Buildings, Bioclimatic Building*

**RENEWABLE ENERGY SYSTEMS LABORATORY**

*o.j. 1257/23-1-2015*

**INNOVATION WEEK -**

**SUMMER SCHOOL 2015**

**in**

**RENEWABLE ENERGY SYSTEMS  
(RES)**



<http://solar-net.teiwest.gr>

**23-29 August 2015**

**Patra**

**MONDAY 24 AUGUST 2015**

- 08:00 Registration
- 09:00 **Opening Addresses**  
**Innovation & Intelligent Applications in RES**  
Prof. S. Kaplanis, Technological Education Institute of Western Greece, GR  
*Discussion*
- 9:30 **New generation of PV cells: DSS cells**  
Prof. E. Stathatos, Technological Educational Institute of Western Greece, GR
- 10:45 **Innovative techniques and products for the measurement of PV cell DC & AC parameters**  
Prof. D. Cotfas, Transylvania University in Brasov, RO  
*Discussion*
- 11:30 *Coffee Break*
- 12:00 **Measurements of Solar Radiation;** Dr. D. Cotfas, Dr. P. Cotfas, Transylvania University in Brasov, Romania
- 13:00 **R.E.S. Technologies in Buildings, Agro-economy, Industry. Case Studies with innovative designs to improve energy performance and savings,**  
Prof. An. Majchrycka, West Pomeranian University of Poland
- 14:00 *Light meal*

*Note: Projects will be assigned to the trainees (of any level)*

**TUESDAY 25 AUGUST 2015**

- 09:00 **Data acquisition and Noise in Solar Cells;** Dr. D. Cotfas, Dr. P. Cotfas, Transylvania University in Brasov, Romania
- 09:45 Discussion
- 10:00 **PV applications in Agricultural, Domestic & Industrial Sectors,**  
Prof. An. Majchrycka, West Pomeranian University of Poland
- 10:45 Discussion
- 11:00 *Coffee Break*
- 11:20 **The Extent of Renewable Energy Usage in Turkey,**  
Prof. Dr. Y. I Stefanopoulos, Isik University, Turkey
- 12:00 Discussion
- 12:30 **PV systems integrated in to buildings,**  
Prof. V. Benda, Czech Technical University, Prague
- 14:00 *Light meal*

**WEDNESDAY 26 AUGUST 2015**

- 09:00 **Intelligent Energy Buildings**  
Prof. S. Kaplanis, Technological Education Institute of Western Greece, GR
- 09:45 *Discussion*
- 10:00 **Education and Awareness efforts in Turkey to encourage the use of Renewable Energy Sources ,** Prof. Dr. Y. I Stefanopoulos, Isik University, Turkey
- 10:45 *Discussion*
- 11:00 *Coffee Break*
- 11:20 **Developments in PV cell technology,**  
Prof. V. Benda, Czech Technical University, Prague
- 12:30 **RES Hybrid Systems-smart grid metering (Part I)**  
Prof. P. Borza, Transylvania University in Brasov, RO
- 13:30 **Domotics related to Energy and R.E.S. Management**  
Prof. P. Borza, Transylvania University in Brasov, RO

**THURSDAY 27 AUGUST 2015**

- 09:00 **New material & properties for challenging PV cells,**  
Prof. E. Stathatos, Technological Educational Institute of Western Greece, GR
- 9:45 **Part II: Design and operation of small hydro plants**  
G. Panagopoulos, Technological Education Institute of Western Greece, GR
- 10:00 **Detection and assessment of ageing in c-Si PV modules**  
Dr. E. Kaplani, Technological Educational Institute of Western
- 10:45 Discussion
- 11:00 *Coffee Break*
- 11:20 **Design and operation of small hydro plants**  
Prof. G. Panagopoulos, Technological Education Institute of Western Greece, GR (**Part I**)
- 12:30 Discussion
- 14:00 *Light meal*

**FRIDAY 28 AUGUST 2015**

*Completion of project*