

# Mediterranean Green Energy Forum MGEF

Organized commonly with CESA, CCCA, MGEF 2015 <http://cesa2015.ec-lille.fr/>



The **Mediterranean Green Energy Forum (MGEF)** is a major international conference on **Energy and sustainability for Mediterranean countries** created by the impulse of the SASV group of the LSIS with the support and helps of the **RMEI network** and his partners and is promoted by KES and WREN.

At no time in modern history has energy played a more crucial role in the development and well being of nations than at present. The source and nature of energy, the security of supply and the equity of distribution, the environmental impact of its supply and utilization, are all crucial matters to be addressed by suppliers, consumers, governments, industry, academia, and financial institutions.



The first conference (**MGEF-2013**) has been hosted by the **University Sidi Mohamed Ben Abdellah**, Fes, Morocco following the proposition of professor N. K. M'Sirdi. It has been jointly organised by a partnership made up of **KES International**, the **World Renewable Energy Network (WREN)** and **LSIS Marseilles**, France.



**MGEF-2013** was a combination of the annual **KES Sustainability in Energy and Buildings** conference and a regional meeting of the well-known **World Renewable Energy Congress (WREC)**.



Promoted by the **World Renewable Energy Congress**, a major recognised forum for networking between these sectors and the **Sustainability in Energy and Buildings of KES**, the **MGEF** addresses these issues in **Med Countries** through regular meetings and exhibitions, bringing together representatives of all those involved in the supply, distribution, consumption and development of energy sources which are benign, sustainable, accessible and economically viable.



The **Mediterranean Green Energy Forum (MGEF)** is strongly related to the **RMEI Network**. The objectives of RMEI address education, research, innovation and economic development in the global context of individual mobility and sustainable development in the Mediterranean. The **MERIE group** of reflexion on Mediterranean Efficient, Renewable and Intelligent Energies of the **RMEI** constitute the essential part on IPC of the MGEF. The MERIE group of RMEI has now created its Associated International Research Laboratory so to develop a Mediterranean scientific co-operation for renewable energies and green building. The senior researchers of the **HyRES Lab** compose the Steering committee of the **MGEF**.

In conclusion **MGEF** is a conference held and handled by Mediterranean researchers that collaborate, exchange ideas and look for the best model to cover Energy needs specific to Mediterranean countries. It is also strongly related to effective actions, collaborations and applications with all the facilities offered by the **RMEI Network** (student exchanges and collaborative actions). The **HyRES Lab** and the **MERIE group** of RMEI experts will continue their recommended actions:

- To organise the conference of the **MGEF** every year in the Mediterranean countries
- To collaborate involving RMEI students on the Mediterranean countries Energy problems
- To help the GaMe student structure (<http://game.rmei.eu/>) which holds, for the MERIE group, the student competition MedReCup of innovation
- To enhance the efficiency in the growing use of the renewable energy in the Mediterranean Region
- To identify the best Mediterranean research topics and funding for student mobility and exchanges

The second **MGEF 2015** will be held the 26-28 March 2015, hosted by Cadi Ayyad University and ENSA of Marrakech, Morocco in the multi conference CESA CCCA MGEF 2015.

**The MGEF Topics are:** Renewable Energies, Sustainability and environmental sciences, Energy and buildings sustainability, Low or near zero energy buildings, Positive energy efficient buildings and refurbishment.

Distributed energy sources: grid integration and control, Smart buildings as energy islands, Smart Grids.

Energy storage: role, multi-generation systems, Interconnected infrastructures, Energy and homes,

Flexible demand: smart homes, Forecasting for smart systems, Natural gas and power markets, Large-scale gas to power generation, Power-to-gas: energy storage system of the future, Energy management,

Energy and Environment: Alternative and green energy, Waste management, Waste treatment and recycling, Water network and security, Smart cities, Transports, Electrical Machines and Drive Systems, Electric Vehicle Technologies, High Voltage and Insulation Technologies.

**The MGEF 2015** invites participation and paper submissions across a broad range of renewable energy and sustainability-related topics relevant to the main theme of Sustainability in Energy and Buildings. Applicable areas include technology for renewable energy and sustainability in the built environment; also optimisation and modelling techniques, information and communication technology usage, behaviour and practice, including applications.

### Call for Papers

Contributions are invited on the subjects within the conference scope and also on other relevant areas. All contributions should be of high quality, original and not published elsewhere or submitted for publication during the review period.

Full papers will be reviewed by the IPC and if accepted and presented, they may be published after the conference in [Renewable Energy and Sustainable Development](#) journal, available in [Fikra Publishing](#).

Short Track papers will be published as a proceeding publications in ....

### Call for Invited Sessions and Workshops

Senior researchers who would like to organise an invited session, on the MGEF topics, of about 6 papers, which they select from colleagues, or a workshop (more than twelve full papers), are invited to submit a proposal for consideration. See [.. here ..](#) for details.

**Invited or Special Sessions and Workshops proposal** should include:

- The title of the session;
- A paragraph describing the theme of the session / workshop;
- Contact details for the Chair(s) and eventually a co chair;
- A short-form CV for the proposed Invited Session Chair(s).
- A list of the expected papers (titles and authors).

### International Program Committee

**Prof Léo Vincent**, Ecole Centrale Lyon

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**Prof. Saad Ibsouda** Université Sidi Mohamed Ben Abdellah, Morocco



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**Professor Rui Neves-Silva** FCT - Universidade Nova de Lisboa, Portugal  
**Emeka Efe Osaji** University of Wolverhampton, UK  
**Prof. Giuliano C. Premier** University of Glamorgan, Wales  
**Prof. Saffa Riffat** University of Nottingham, UK  
**Prof. Abdulnaser Sayma** University of Sussex (Moving from January 2013 to City University - London)  
**Prof. Begum Sertyesilisik** Liverpool John Moores University, UK  
**Dr. Marina Sokolova** Southwest State University, Kursk, Russia  
**Dr. Catalina Spataru** UCL Energy Institute  
**Dr. Ali Tahri** University of Sciences and Technology of Oran, Algeria  
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**Dr. Simon Walters** Brighton University, UK  
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**Costas S Tzafesta**, Greece  
**Prof Hassan Noura**, UAE  
**Rafik Younes**, Lebanon  
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Nizar Bouguila, Canada



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### Special Session PV01

Title: **Optimization of photovoltaic cell and system for a better exploitation of the solar energy.**

Proposed by: **Professor Khalil KASSMI** HyRES La Member Email: [khkassmi@yahoo.fr](mailto:khkassmi@yahoo.fr)

**Affiliation: Mohamed Premier university, Faculty of Science, Department of Physics,**

**Team: Electronic Components Photovoltaic Energies ECPE,**

**Laboratory: Electromagnetism Treatment of signal and Analyses of the Systems LETAS,**

**Phone: 212 5 36 50 06 01/02, Fax: 212 5 36 50 06 03, Oujda - Morocco**

**Topic :** The renewable energy revolution is advanced as an outcome to all our problems of electrical energy production, including photovoltaic (PV), based on the conversion of sunlight into electricity using PV cells. Currently, much research is carried out on cells (or panels) and on PV systems that exploit this energy. Concerning PV systems, the difficulties are the optimization of the power provided by panels PV, its transfer to the load (Battery...), good control of charge/discharge lead acid batteries and solar tracking PV panels. The discrete blocks of regulation and control suggested are not reliable and induce power losses provided by PV panels, divergence of PV system, bad control of the charge/discharge batteries and the collecting of illumination. In the majority of PV systems, the major problem is the loss of power supplied by the PV panels because of inaccurate desired maximum power point (MPP).

Axes envisaged in this special number:

- ✓ Realization and optimization of PV cells;
- ✓ Conception, realization, optimization and characterization of the PV systems (autonomous, network connection...);
- ✓ Realization and optimization of PV equipment: MPPT command, regulator charge/discharge of batteries, systems of acquisition and supervision; sun tracking,...

#### **Authors on a particular topic of interest :**

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**Prof François Vallée**, Polytechnic faculty Mons – UMONS – **Belgium**

**Prof Abdelali EL AROUDI**, Universitat Rovira i Virgili, Tarragona, **Spain**

*Please submit in the web site (<http://cesa2015.ec-lille.fr/>) and send a copy to Nacer K Msirdi [nacer.msirdi@rmei.eu](mailto:nacer.msirdi@rmei.eu)*

**Mediterranean Green Energy Forum**  
**The 2<sup>nd</sup> MGEF**  
**Invited / Spécial Sessions**

*Template for Invited Session Submission to be sent to Nacer K Msirdi [nacer.msirdi@rmei.eu](mailto:nacer.msirdi@rmei.eu)*

**Title of Session:**

**Name of Chair / co chair:**

**Address:**

**Email :**

**Topics :**

**Key Words**

**Description:**

**Website URL (if any):**

**Email & Contact Details:**

Submission informations

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