



"TMREES Conference Series" aim to promote sustainable, healthy and diverse ecosystems; encourage & support the Sustainability and development of security systems through green-based & clean resources, bringing together participants from international organizations, universities, industry & administrative to exchange innovative ideas, explore enabling technologies, share experiences in sustainability issues & to open a new window on the circumstances of the classical energy sources & their harmful impact on the society.

The TMREES18 international conference has as a general philosophy to bring together different disciplines of the global research community, in order to discuss, present and network the latest developments and innovations in sustainability; as well as funding opportunities.

### Conference Topics Include, but are not limited to:

#### Topic 1: Hydrogen Energy & fuel cells

Production/ storage/ transmission/ utilization/ enabling technologies/ environmental impact/ economic/ thermochemical/ photochemical/ electrochemical (fuel cells) and nuclear conversion of hydrogen/ mechanical and electrical energies.

#### Topic 2: Solar Energy: New Technologies & Advanced Material

Thin Film solar cells/ Solar Cells/ Modules/PV-Systems. Organic-based PV/ Polymer PV/ dye-sensitized cells/modules. Integration in buildings and urban planning. Photochemical Solar Energy Conversion/ Photo thermal Devices. Crystallization/ Wafering/ advanced production technologies for silicon and wafers. Manufacturing Issues and Processing/ waste treatment/ safety. Microelectronics for Photovoltaic. Characterization of materials and devices/ testing/ measurements/ quality and aging/ reliability aspects. PV Materials/ New Materials/ Nanomaterials/ Nanotechnologies/ new Design/Concepts for PV Cells and Modules/ Modeling and simulation.

#### Topic 3: Renewable Sources of Energy

Smart grids; Innovative systems with storage/ Power electronics/ Power Quality issues/ solar panel. Optimization techniques. Energy Storage-Saving-Management; Engineering Technologies & solutions/ Energy Transmission and Distribution/ Production and Efficiency. Electricity Networks of the Future/ Power and Energy Generation. Wind energy; challenges and state-of-the-art/ Technical developments. Bioenergy; Conversion technologies/ Operational & logistical challenges/ Techno-economic/ biomass & waste. Biofuels; Biorefinery/ Thermochemical & Biochemical conversion. Hydropower; Technology/ Integrated water and energy management. Marine; Salinity difference power source. Hybrid and Integrated Systems.

#### Topic 4: Management/ Sustainability and Environmental Quality

Energy Policy/ Planning & Management laws. Building Management Systems/ Smart Grid/ Smart metering/ Industrial waste treatment management/ Air pollution control and equipment/ Environmental technologies and Contribution sustainability/ Climate Change/ Emissions and Global Warming/ Sustainable built environment/ Ecotoxicity. Sustainable development and planning/ Natural resources management/ Soil contamination and recovery/ Landscape development and management/ Green economy/ Future Markets/ Business Opportunities.

#### Topic 5: Green Economy and Sustainable Development

Green Economy and Sustainability. Transportation's air pollution and health concerns. Policy considerations and rebound effects

## Committees

### Chairs Committee

Abdelouahed Kriker, Adawiya Haidar, Chafic-Touma Salame, Georges Descombes, Michel Aillerie, Panangiotis Papgeorgas, Sylvie Fauchaux.

### Program Committee

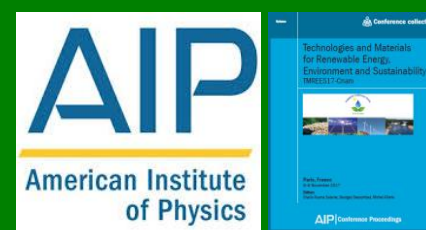
Christelle Perillon, Emmanuel Labis, Jean Zaraket, Maya Julian, Pierre Petit, Georgios Vokas, Ralph Abi-Rizk, Toni Khalil.

### SC/ Int'l Reviewers/Chairs: Christelle Perillon and Georges Vokas

Aana Cruz Lopes-Portugal	Georges Descombes-France	Ondrej Sikula-Czech
Aanestis Anastasiadis-Greece	Georgios Vokas-Greece	P. Papageorgas-Greece
Aangel Cid-Pastor-Spain	Imtithal Sheet-Lebanon	Patrick R. Bradler-Austria
Abdelghani Harrag-Algeria	Joshua Okeniyi-Nigeria	Piotr Arabas-Portugal
Abdelkader Aissat-Algeria	kareem Ali Jasim-Iraq	Radu Chiriac-Romania
Adawiya Haider-Iraq	Kriker Abdelouahed-Algeria	Sylvie Fauchaux-France
Ahmed A. Merrouni-Morocco	Marco Ragazzi-Italy	Taif Saad-Iraq
Akram R. Jabur-Iraq	Michel Aillerie-France	Valter Silva-Poland
Aristidis Kitsios-Greece	Miguel Amado-Portugal	Vincenzo Torretta-Italy
Auday Shaban-Iraq	Mohamed-Y Ayad-France	Yosr Allouche-Tunisia
Chafic-T. Salame-Lebanon	Muna Abbas-Iraq	
Christelle Perillon-France	Muthana Sirhan-UK	
Elena-Cristina Rada-Italy	Nuno Vieira-Portugal	
Errami Youssef-Morocco	Olga Shepovalova-Russia	

### Publication:

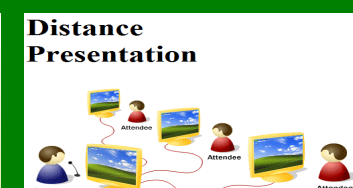
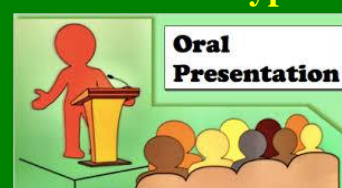
All accepted Papers will be published in a Special Volume by the American Institute of Physics



### Abstracting and Indexing

Web of Science (Thomson Reuters)  
Scopus (Elsevier)  
Inspec  
Chemical Abstracts Service (CAS)  
Astrophysics Data System (ADS)

### Presentation Types



### Distance Participation:

The following two distance presentations are possible:

- 1- A special session will be scheduled for online direct presentation at distance
- 2- Your presentation as a poster will be uploaded on the conference website.

A certificate for all presentations will be delivered at the end of the conference

### Deadlines:

Full paper submission: Up to January 10, 2018

Early Bird registration: Up to January 15, 2018

Regular registration: From January 16, 2018

Conference Days: From 01 to 03 February, 2018

### Registration

	Academic	Distance
Early Bird Registration	450 Euros	300 Euros
Regular & On-Site	550 Euros	300 Euros
Paper Publication AIP	Y	Y
Certificate	Y	e-certificate
Welcome Package	Y	Online materials
Full conference access	Y	N
Lunches & breaks	Y	N
Social Programs	Y	N

- Additional paper: € 250 per paper (max 2 papers)

- Accompanying persons € 450 for full activities

Contact: [info@tmrees.org](mailto:info@tmrees.org) / [www.tmrees.org](http://www.tmrees.org)