

21-24 Apr, 2017 //Beirut- Lebanon  
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## TMREES Conference Series



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Technologies and Materials for Renewable Energy, Environment and Sustainability.  
TMREES17- International Conference

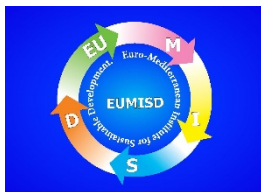
# Conference Program

Special Issues Publishers:



Energy

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LMOPS



## Daily Programm

	Main Hall	Conference Hall	Resto Hall	Visio Room
<b>Friday 21 April, 2017</b>				
9 <sup>00</sup> -10 <sup>00</sup>	Registration Welcome Drink			
10 <sup>00</sup> -12 <sup>00</sup>		Conference inauguration Speechs, Presentations and Keynote Address		
12 <sup>00</sup> -14 <sup>00</sup>			Lunch	
14 <sup>00</sup> -15 <sup>30</sup>		Session 1 - O: T1-T2		
15 <sup>30</sup> -16 <sup>00</sup>			Coffee Break	
16 <sup>00</sup> -17 <sup>00</sup>		Session 2 - O: T2-T3-T4		Session 3: VisioConf (VC)
17 <sup>00</sup> -18 <sup>00</sup>		Session 4 - P: T2-T3-T4-T5		
19 <sup>30</sup> ...			Supper	
<b>Saturday 22 April, 2017</b>				
8 <sup>00</sup> -9 <sup>00</sup>	Registration Welcome Drink			
9 <sup>00</sup> -10 <sup>30</sup>		Session 5 - O: T2		
10 <sup>30</sup> -11 <sup>00</sup>			Coffee Break	
11 <sup>00</sup> -12 <sup>30</sup>		Session 6 - O: T4		Session 7: VisioConf (VC)
12 <sup>30</sup> -14 <sup>00</sup>			Lunch	
14 <sup>00</sup> -15 <sup>30</sup>		Session 8 - O: T4		
15 <sup>30</sup> -16 <sup>00</sup>			Coffee Break	
16 <sup>00</sup> -17 <sup>00</sup>		Session 9 - P: T1-T2-T3-T4- T5		
19 <sup>30</sup> -...	Departure for Gala Dinner			
<b>Sunday 23 April, 2017</b>				
10 <sup>00</sup> -12 <sup>30</sup>	Conference First Note - Distribution of Two Prizes ( Two Lenovo Laptops ) Conference Ceremony - Brunch			
13 <sup>00</sup> -...	Departure for social Program			
20 <sup>00</sup> -...			Supper	
<b>Monday 24 April, 2017</b>				
9 <sup>00</sup> -10 <sup>30</sup>		Session 10 - O: T4		
10 <sup>30</sup> -11 <sup>00</sup>			Coffee Break	
11 <sup>00</sup> -12 <sup>30</sup>		Session 11 - O: T4		Session12: VisioConf (VC)
12 <sup>30</sup> -14 <sup>00</sup>			Lunch	
14 <sup>00</sup> -15 <sup>00</sup>		Session 13 - O: T2-T4		
15 <sup>30</sup> -17 <sup>30</sup>	Conference Second Note - Distribution of One Prize ( One Lenovo Laptops ) Conference Toast			
19 <sup>30</sup>			Supper	

# Preface

## TMREES CONFERENCE SERIES

### Technologies and Materials for Renewable Energy, Environment and Sustainability

TMREES17-BEIRUT International Conference // April 21-24, 2017 // Beirut - Lebanon

**Chafic Salame, Georges Descombes, Michel Aillerie, Panagiotis Papageorgas and Sylvie Fauchaux**

The International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability is an annual event organized by the **European Academy for Sustainable Development**.

TMREES16-PARIS, held over the period of April 21 - 24, 2017 in Beirut - Lebanon, has a main objective to promote sustainable, healthy and diverse ecosystems; encourage and support the international energy security systems through development of green based and other renewable resources and processes, bringing together participants from international research centers, universities, industry and administrative organizations around the world to exchange innovative and novel ideas, explore enabling technologies, share field trial experiences in sustainability issues and to open a new window on the circumstances of the classical energy sources and their harmful impact on people, society and environment.

**Keywords: Renewable Energy, Environment and Sustainability**

**The TMREES17-BEIRUT International Conference has a general philosophy to gather the global research community, discuss, present and to network the latest developments and innovations in sustainability.**

**The conference Topics Include:**

#### **Topic 1: Special Session: 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 (applications in transportation, industrial, commercial and residential sectors).

#### **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, Semiconductors, III-V & concentrator cells .

#### **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; Offshore wind energy-Potential, 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: Debate on Climate Change, Economy and Sustainable Development**

## Friday - April 21, 2017

### 9<sup>00</sup>-10<sup>00</sup> Registration Desk and Welcome Drink

### 10<sup>00</sup>-12<sup>00</sup> Conference Inauguration :

**Chafic-Touma Salame: "Welcome Speech and TMREES Overview"**

**Georges Descombes: "Debate on Climate change in French Speaking Countries"**

**Michel Aillerie & Stéphane Ogier: "The Current Keys Number of the Photovoltaic"**

**Panagiotis Papageorgas: "Sustainability, Energy Efficiency and IoT technologies"**

**Keynote Address, Sylvie Fauchoux: "Sustainable Development Toward Successful Economy".**

### 12<sup>00</sup>-14<sup>00</sup> // Lunch

### Session 1 - Oral: 14<sup>00</sup>-15<sup>30</sup> // S1-O: T1-T2 //

### Chairs: Adawiya Haidar, Akram Jabur, Michel Aillerie and Panagiotis Papageorgas

#### Oral-T1-M.152 // How Fuzzy Logic Can Improve PEM Fuel Cell MPPT Performances?

Abd el ghani HARRAG

Presenter: Abd el ghani HARRAG // Ferhat Abbas University, Faculty of Technology // Algeria.

#### Oral-T1-M.76 // The effect of external boundary conditions and operating parameters on the hydrogen storage performance in a metal hydride storage tank

Yasmina Kerboua Ziari, Allal Babou and Youcef Kerkoub

Presenter: Yasmina Kerboua Ziari // USTHB // Algeria.

#### Oral-T2-M.35 // Performance evaluation of new control of distributed two-stage PV conversion system using three levels VSI for stand-alone application

Thameur Abdelkrim, Tarak Benslimane, Abdelhalim Borni, Karima Benamrane, Adbelkader Lakhdari and Noureddine Bouarroudj

Presenter: Thameur Abdelkrim // Unité de Recherche Appliquée en Energies Renouvelables, URAER, Centre de Développement des Energies Renouvelables, CDER, 47133, Ghardaïa // Algeria.

#### Oral-T2-M.70 // Monte Carlo Simulation of a GaInSb Based MESFET Transistor

Ahmed Amine El Ouchdi

Presenter: Ahmed Amine El Ouchdi // Université de Tlemcen // Algeria.

#### Oral-T2-M.86 // Fabrication and properties of InN NPs/Si as a photodetector

Khawla Khashan, Juhaina Taha and Sarah Abbas

Presenter: Khawla Khashan // university of technology // Iraq.

#### Oral-T2-M.95 // Ablation Characteristics of TiO<sub>2</sub> / UPE-PMMA Blend Nanocomposites: Empirical and Simulation Approaches

Bahjat Kadhim

Presenter: Bahjat Kadhim // almustansiriyah university // Iraq.

### 15<sup>30</sup>-16<sup>00</sup> // Coffee Break

**Session 2 - Oral: 16<sup>00</sup>-17<sup>00</sup> // S2-O: T2-T3-T4 //**

**Chairs: Georges Vokas, Kriker Abdelouahed and Sylvie Faucheux**

**Oral-T2-M.120 // Enhancement of Transparent Conductive Electrodes for Third Generation Photovoltaics**

Jinan El Hajjar, Alya Alhammedi, Lama El Qadri and Abdulhai Al Alami  
Presenter: Jinan El Hajjar // University of Sharjah // United Arab Emirates.

**Oral-T3-M.34 // Geochemistry and Geothermometry application to the Continental Intercalaire geothermal aquifer: a case study of Ouargla region**

Adel Abdelali, Imed Eddine Nezli and Slimane Benhamida.  
Presenter: Adel Abdelali // university of kasdi merbah ouargla (algeria) // Algeria.

**Oral-T3-M.57 // Sensing Characteristics of Nanostructured SnO<sub>2</sub> Thin Films as Glucose Sensor**

Adawiya Haider, Ali Jasim Mohammed and Suaad Shaker  
Presenter: Ali Jasim // Al Karkh University, College of Remote Sensing & Geophysics // Iraq.

**Oral-T3-M.121 // Numerical Study of Marine Current Turbine Blade Performance Using CFD**

Sharif Al Dajani  
Presenter: Sharif Al Dajani // Arab Academy for Science & Technology // Egypt.

**Oral-T4-M.15 // Towards an environmental approach for sustainable buildings in Algeria**

Hocine Tebbouche, Ammar Bouchair and Said Grimes  
Presenter: Ammar Bouchair // University Mohamed Seddik Benyahia // Algeria.

**Oral-T4-M.23 // Sustainability of the Expansion Areas for Coastal Touristic Sites "E.A.C.T.S" Such as the case of El-Aouana in Algeria: Indicators for considering biodiversity**

Said Grimes, Ammar Bouchair and Hocine Tebbouche  
Presenter: Ammar Bouchair // University Mohamed Seddik Benyahia // Algeria.

**Session 3 - VC: 11<sup>00</sup>-12<sup>30</sup> // S3-VC //**

**Chairs: Michel Aillerie and Panagiotis Papageorgas**

**Session 4 - Poster: 17<sup>00</sup>-18<sup>00</sup> // S4-P: T2-T3-T4-T5 //**

**Chairs: Chafic-Touma Salame and Mohamad Ramadan**

**Saturday - April 22, 2017**

**08<sup>00</sup>-09<sup>00</sup> Registration Desk and Welcome Drink**

**Session 5 - Oral: 09<sup>00</sup>-10<sup>30</sup> // S5-O: T2 //**

**Chairs: Abdelghani Harrag, kareem Ali Jasim and Sylvie Faucheux**

**Oral-T2-M.40 // Theoretical study of Charge Transfer simulation At Fe Metal with Ge and ZnO semiconductors Nano devices material**

Taif Saad, Hadi J. Alagealy, Raad Hameed and Ahmed Ashwiek  
Presenter: Taif Saad // alturath university of college // Iraq.

**Oral-T2-M.56 // Preparation and Physical Properties of Doped CdBa<sub>2-x</sub>Sr<sub>x</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>8+d</sub>Compound**

Anaam Watan, Suad Aleabi, Auday Shaban and Kareem Jasim  
Presenter: kareem Ali Jasim Al-Hwasy // University of Baghdad, College of Education for pure sciences Ibn -Al-Haithem // Iraq.

**Oral-T2-M.126 // PV Voltage Control in Spite of Disturbances on MCB Boost Output Voltage in Parallel Association**

Jean-Paul Sawicki, Frédéric Saint-Eve, Pierre Petit and Michel Aillerie  
Presenter: Jean-Paul Sawicki // LMOPS, IUT de Thionville-Yutz, Université de Lorraine // France.

**10<sup>30</sup>-11<sup>00</sup> // Coffee Break**

**Session 6 - Oral: 11<sup>00</sup>-12<sup>30</sup> // S6-O: T4 //**

**Chairs: Adel Oueslati, Chafic-Touma Salame, Panagiotis Papageorgas and Roba Saab**

**Oral-T4-M.41 // Exploring potential Environmental applications of TiO<sub>2</sub> Nanoparticles**

Adawiya J. Haider, Riyad Hassan Al- Anbari, Ghadah Rasim and Chafic Salame

Presenter: Ghadah Rasim // university of technology, bagdad, iraq // Iraq.

**Oral-T4-M.45 // Effect of urban morphology on the road noise distribution. Case Study: the city of Biskra, Algeria**

Bouzir Tallal Abdel Karim and Nouredine Zemmouri

Presenter: Bouzir Tallal Abdel Karim // Laboratory LACOMOFA, Department of Architecture, University Mohamed Khidder // Algeria.

**Oral-T4-M.51 // Variable-Refrigerant-Flow Cooling-Systems Performance at Different Operation-Pressures and Types-of-Refrigerants**

Roba Saab and Mohamed I. Hassan Ali

Presenter: Roba Saab // Masdar Institute for Science and Technology // United Arab Emirates.

**Session 7 - VC: 11<sup>00</sup>-12<sup>30</sup> // S7-VC //**

**Chairs: Michel Aillerie and Panagiotis Papageorgas**

**12<sup>30</sup>-14<sup>00</sup> // Lunch**

**Session 8 – Oral: 14<sup>00</sup>-15<sup>30</sup> // S8-O: T4 //**

**Chairs: Abdelhakim Hanafi, Akram Jabur and Marouane Guedouh**

**Oral-T4-M.53 // Measurement, comparison and monitoring of CSP mirror's specular reflectivity using two different Reflectometers**

Ahmed Alami Merrouni, Ahmed Mezrhab, Abdellatif Ghennioui and Zakaria Naimi

Presenter: Ahmed Alami Merrouni // Research Institute for Solar Energy and New Energies (IRESEN) // Morocco.

**Oral-T4-M.55 // Performance analysis of a new humid air dehumidifier**

Adel Oueslati and Adel Megriche

Presenter: Adel Oueslati // Higher Institute of technological studies of zaghouan // Tunisia.

**Oral-T4-M.63 // Impact of Urban density on energy consumption**

Naima Fezzioui, Belkacem Draoui and Claude-Alain Roulet

Presenter: Naima Fezzioui // Université Tahri Mohamed, Béchar // Algeria.

**Oral-T4-M.82 // The use of spectral responses of surface in the discrimination of soils surface in north of Ouargla (northern Algerian Sahara) by remote sensing**

Mohammed Hadj-Kouider, Imed Eddine Nezli and Baelhadj Hamdi-Aissa

Presenter: Mohammed Hadj-Kouider // university of Ouargla // Algeria.

**15<sup>30</sup>-16<sup>00</sup> // Coffee Break**

**Session 9 – Poster : 16<sup>00</sup>-17<sup>00</sup> // S9-P: T1-T2-T3-T4-T5 //**

**Chairs: Chafic-Touma Salame and Michel Aillerie**

**19<sup>30</sup>-... // Departure From Cosmopolitan to Gala Dinner**

## Sunday - April 23, 2017

- 10<sup>00</sup>-12<sup>30</sup>      **Conference First Note - Distribution of 2 Prizes ( Two Lenovo Laptops )**  
*Conference Ceremony - Brunch*
- 13<sup>00</sup>-...      **Departure for social Program**
- 20<sup>30</sup>-...      **Supper**

## Monday - April 24, 2017

### Session 10 – Oral: 09<sup>00</sup>-10<sup>30</sup> // S10-O: T4 // Chairs: Abdelkader Aissat , and kareem Ali Jasim

**Oral-T4-M.96 // Quality of Distillate from Solar Stills: is it virtually devoid of biological, chemical and pharmaceutical residuals?**

Lilian Malaeb, George Ayoub, Mahmoud Al-Hindi, Liza Dahdah, Abbas Baalbaki and Antoine Ghauch  
Presenter: Lilian Malaeb // American University of Beirut // Lebanon.

**Oral-T4-M.107 // Decision-making strategy for cogeneration power systems integration in the Lebanese electricity grid**

Al Asmar Joseph, Lahoud Chawki and Brouche Marwan  
Presenter: Lahoud Chawki // Saint Joseph university // Lebanon.

**Oral-T4-M.113 // Spontaneous urban renewal of the former Aurasian settlements in the event of the sustainable development: Case of Dechra Beida, Arris (Algeria)**

Djemaa Barrou, Akila Benbouaziz and Djamel Alkama  
Presenter: Djemaa Barrou // University of Batna1 // Algeria.

**Oral-T4-M.105 // Using Geothermal Energy for cooling - Parametric study**

Amal Herez, Mahmoud Khaled, Rabih Murr, Ahmad Haddad, Mohamad Ramadan and Hisam Elhage  
Presenter: Amal Herez // Lebanese International University // Lebanon.

### 10<sup>30</sup>-11<sup>00</sup> // Coffee Break

### Session 11 – Oral: 11<sup>00</sup>-12<sup>30</sup> // S11-O: T2-T4 // Chairs: Jean-Paul Sawicki , Nabil Bougherira and Jinan El Hajjar

**Oral-T2-M.109 // Improving Photovoltaic Panel Using Finned Plate of Aluminum.**

Ahmad Elmais, Mohamad Hawa, Rami Ammar, Mohammad Abou Akroush, Farouk Hachem, Mahmoud Khaled and Mohamad Ramadan  
Presenter: Ahmad Elmais // LIU // Lebanon.

**Oral-T2-M.110 // Experimental evaluation of the discoloration effect on PV-modules performance drop**

Abdellatif Bouaichi, Ahmed Alami Merrouni, Abdellah El Hassani, Zakaria Naimi, Badr Ikken, Abdellatif Ghennioui, Aboubakr Benazzouz, Aumeur El Amrani and Choukri Messaoudi  
Presenter: Abdellatif Bouaichi // FSTE/IRESEN // Morocco.

**Oral-T4-M.108 // Using phase change material in under floor heating**

Rami Ammar, Ahmad Elmais, Farouk Hachem, Mahmoud Khaled, Mohamad Ramadan, Mohammad Abou Akroush and Mohamad Hawa  
Presenter: Rami Ammar // Lebanese International University // Lebanon.

**Oral-T4-M.93 // Radiological Dose Assessments for Workers at the Italian Fuel Fabrication Facility at Al-Twaitha Site, Baghdad – Iraq with Aid of GIS Techniques**

Ziadoon Ibrahim, Sameera Ibrahim, Auday Shaban, Kareem Jasim and Marwa Mohammed  
Presenter: Auday Shaban // University of Baghdad, College of Education for pure sciences Ibn -Al-Haithem // Iraq.

**Session 12 - VC: 11<sup>00</sup>-12<sup>30</sup> // S12-VC //**  
**Chairs: Michel Aillerie and Panagiotis Papageorgas**

**12<sup>30</sup>-14<sup>00</sup> // Lunch**

**Session 13 – Oral: 14<sup>00</sup>-15<sup>00</sup> // S13-O: T2-T4 //**  
**Chairs: Mohamed Khaled, Mohamed Ramadan and Ammar Bouchair**

**Oral-T4-M.42 // Electricity production from large scale PV plants: Benchmarking the potential of Morocco against California, US.**

Alami Merrouni Ahmed, Amrani Abdelillah and Mezrhab Ahmed

Presenter: Alami Merrouni Ahmed // Research Institute for Solar Energy and New Energies (IRESEN) // Morocco.

**Oral-T4-M.49 // Optimal Power Flow in Systems with high penetration of Electrical Vehicles and Renewable Energy Systems**

Georgios Vokas, Anestis Anastasiadis, Stavros Konstantinopoulos and Takla Salame

Presenter: Georgios Vokas // PIRAEUS UNIVERSITY OF APPLIED SCIENCES (TEI Piraeus) // Greece.

**Oral-T4-M.91 // The effect of liquid temperature on the performance of an airlift pump**

Adel Oueslati and Adel Megriche

Presenter: Adel Oueslati // Higher Institute of technological studies of zaghouan/ Faculty ois sciences of Tunis // Tunisia.

**15<sup>30</sup>-17<sup>30</sup> // Conference Second Note - Distribution of one Prize ( One Lenovo Laptops )**  
**Conference Toast**



## POSTERS PRESENTATIONS

**Poster-T5-M.11 // Optimizing the Methodology of Characterization of Municipal Solid Waste in EU Under a Circular Economy Perspective**

Elena Cristina Rada and Lucian Ionel Cioca

Presenter: Elena Cristina Rada // University of Trento // Italy.

**Poster-T1-M.65 // Combined supercritical water gasification of algae and hydrogenation for hydrogen production and storage**

Muhammad Aziz

Presenter: Muhammad Aziz // Tokyo Institute of Technology // Japan.

**Poster-T1-M.124 // Modeling and prediction of flash point of unsaturated hydrocarbons using hybrid genetic algorithm /multiple linear regression approach**

Mabrouka Didi, Hamza Haddag, Youcef Driouche and Djelloul Messadi

Presenter: Mabrouka Didi // University of BADJI Mokhtar annaba , Algeria // Algeria.

**Poster-T2-M.22 // The Possibility of Making a Composite Material from Waste Plastic**

Seghiri Mehdi, Boutoutaou Djamel, Kriker Abdelouahed and Hachani Mohamed Ibrahim

Presenter: Seghiri Mehdi // Université Kasdi Merbah of Ouargla // Algeria.

**Poster-T2-M.30 // Study of a solar water pump to supply a building site Oil tanker**

Toumi Nabil

Presenter: Toumi Nabil // universite kasdi merbah ouargla // Algeria.

**Poster-T2-M.31 // Synthesis of The gold Nanoparticles with Novel Shape via Chemical Process and Evaluating The structural, Morphological and Optical Properties**

Zainab Naser Jameel

Presenter: Zainab Naser Jameel // University of Technology/ Communications Engineering Department // Iraq.

**Poster-T2-M.33 // Effect of Laser Fluence through a Microarray Droplets Transaction Micro-Organisms Cells by LIFT Technique**

Adawiya Haider, Asma Hadi and Mohammed Haider

Presenter: Adawiya Haider // UOT // Iraq.

**Poster-T2-M.36 // Optimized MPPT Controllers Using GA for Grid Connected Photovoltaic Systems, Comparative study**

Abdelhalim Borni, Nouredine Bouarroudj, Abdelhak Bouchakour, Layachi Zaghba, Tameur Abdelkarim, Abdelkader Lakhdari and Laid Zarour

Presenter: Abdelhalim Borni // Unité de Recherche Appliquée en Energies Renouvelables, URAER // Algeria.

**Poster-T2-M.37 // Experimental typical meteorological years to study energy performance of a PV grid-connected system**

Layachi Zaghba, Messaouda Khennane, Nadjiba Terki, Abdelhalim Borni, Amor Fezzani, Abdelhak Bouchakour, Idriss Hadj Mahamed and Samir Hamid Oudjana

Presenter: Layachi Zaghba // Unité de Recherche Appliquée en Energies Renouvelables, URAER // Algeria.

**Poster-T4-M.46 // A Statistical Summary of ground water mineralization in the Aquifer of Intercalary Continental (Algerian Septentrional Sahara)**

Leila Sahri, Imed Eddine Nezli, Rabah Kechiched and Slimane Abdeldjebbar Benhamida

Presenter: Leila Sahri // University of Ouargla // Algeria.

**Poster-T2-M.59 // HgBa<sub>2</sub> Can-1CuO<sub>2</sub>n+2+d Superconducting thin films Prepared by Pulsed Laser Deposition**

Bushra Al-Maiyaly, Ali Mealany and Hanaa Mohammed

Presenter: Bushra Al-Maiyaly // Dept. of physics/ College of Education For Pure Science (Ibn Al-Haitham)/ University of Baghdad // Iraq.

**Poster-T2-M.61 // Study physical and optoelectronic properties of CuInSe<sub>2</sub>/Si heterojunction solar cells**

Iman Hameed

**Presenter:** Iman Hameed // College of Education for Pure Science (Ibn Al-Haitham), University of Baghdad, Iraq // Iraq.

**Poster-T2-M.68 // The influence of substrate temperature on CdS thin films properties prepared by pulse laser deposition on glass substrates**

Yasmeen Dawood

**Presenter:** Yasmeen Dawood // al-Mustansiriyah University // Iraq.

**Poster-T2-M.69 // The Enhancement of PVDF Pyroelectricity (Pyroelectric Coefficient and Dipole Moment) by Inclusions**

Khalaf Al Abdullah, Rawad Hamdan and Ahwar Batal

**Presenter:** Khalaf Al Abdullah // University of Aleppo // Syria.

**Poster-T2-M.74 // Synthesis of ZnO Nanopowders By Using Sol-Gel and Studying Their Structural and Electrical Properties at Different Temperature**

Khalaf Al Abdullah and Sahar Awad

**Presenter:** Khalaf Al Abdullah // university of Aleppo // Syria.

**Poster-T2-M.75 // Spatial variation of the water rising and water table salinity in the Basin of Ouargla (Algerian Sahara)**

Ibrahim Recioui, Mustapha Daddi Bouhoun, Djamel Boutoutaou and Adil Mihoub

**Presenter:** Ibrahim Recioui // University Kasdi Merbah Ouargla // Algeria.

**Poster-T2-M.80 // Enhancement the Efficiency of ZnO nanofiber mats antibacterial Using Novel PVA/Ag nanoparticles.**

Ammar Hamza, Alhtheal E.D. and Ali K.Shakir

**Presenter:** Ammar Hamza // University of Technology- Building and Construction Engineering // Iraq.

**Poster-T2-M.81 // Fuzzy Logic Controller with Reduced Rules for a Maximum Power Point Tracker**

Haddouche Adel, Farah Lotfi and Kara Mohammed

**Presenter:** Kara Mohammed // Department of Electromecanic Engineering, Université Badj Mokhtar Annaba // Algeria.

**Poster-T2-M.112 // Effect of stabilizers on the failure behavior of glass fiber reinforced polyamides for mounting and framing of solar energy applications**

Patrick R. Bradler, Joerg Fischer, Bernhard Pohn, Gernot M. Wallner and Reinhold W. Lang

**Presenter:** Patrick R. Bradler // Johannes Kepler University Linz // Austria.

**Poster-T2-M.119 // Assessment of Potassium Chromate Inhibition and Adsorption on Type A513 Mild Steel in Simulated Contaminated Media**

Ojo Sunday Fayomi, Api Popoola and O.O Joseph

**Presenter:** Ojo Sunday Fayomi // Covenant University // Nigeria.

**Poster-T2-M.127 // Optimized pulse transformer for step-up DC-DC converter**

The Vinh Nguyen, Thanh Vinh Vo, Pierre Petit, Michel Aillerie and Ngoc Thang Pham

**Presenter:** Michel Aillerie // Université de Lorraine & CentraleSupelec // France.

**Poster-T2-M.128 // New Topology of a Fly-back Micro-inverter working in Dynamic Regime**

Ternifi Touhami, Pierre Petit, Ghalem Bachir and Michel Aillerie

**Presenter:** Ternifi Touhami // usto // Algeria.

**Poster-T2-M.130 // Photovoltaic panels characterization and experimental testing**

Mohammed Amine Fares, Atik Lotfi, Bachir Ghalem and Michel Aillerie

**Presenter:** Mohammed Amine Fares // University of Science and Technology of Oran - Mohamed Boudiaf Algeria // Algeria.

**Poster-T4-M.131 // Comparative study on the effect of NaNO<sub>2</sub> in corrosion inhibition of micro-alloyed and API-5L X65 steels in E20 simulated FGE**

Olufunmilayo Joseph, Seetharaman Sivaprasad and Isaac Fayomi

**Presenter:** Olufunmilayo Joseph // Covenant University // Nigeria.

**Poster-T2-M.151 // Effect of Polyaniline on the Electrical Conductivity and Activation Energy of Electrospun Nylon Films**

Akram R. Jabur

**Presenter:** Akram R. Jabur // University of Technology-Baghdad - IRAQ // Iraq.

**Poster-T2-M.8 // Studying Dielectric and Magnetic Properties of Nano Ferrite Functionally Graded Materials**

Fadhil A. Chyad, Akram R. Jabur and Sabreen A. Abed

Presenter: Akram R. Jabur // Department of Materials Engineering, University of Technology // Iraq.

**Poster-T2-M.10 // Evaluation of Stem Cells' Growth on Electrospun Polycaprolactone (PCL) Scaffolds Used for Soft Tissue Applications.**

Akram R. Jabur, Emad S. Al- Hassani, Ahmed M. Al- Shammari, Manar A. Najim, Aymen A. Hassan and Aesar A. Ahmed

Presenter: Akram R. Jabur // Department of Materials Engineering, University of Technology // Iraq.

**Poster-T2-M.12 // Thermophysical and Mechanical Properties of composite material: Clay / straw fiber**

Yassine Elhamdouni

Presenter: Yassine Elhamdouni // Leme Est Sale-University Mohammed V rabat // Morocco.

**Poster-T2-M.13 // Standardised Risk Management Procedure (SRMP) for Mini Grids**

Elmar Steurer, David Manetsgruber and Bernard Wagemann

Presenter: Elmar Steurer // Neu-Ulm University of Applied Sciences // Germany.

**Poster-T2-M.19 // Contacting of Si/SiO<sub>2</sub> core/shell nanowires using laser photolithography**

Abdelkader Aissat

Presenter: Abdelkader Aissat // University of Blida1 // Algeria.

**Poster-T2-M.77 // The Effect of Electrical stress under temperature in the characteristics of PV Solar Modules**

Jean Zaraket, Michel Aillerie and Chafic Salame

Presenter: Jean Zaraket // Lebanese University & Université de Lorraine // Lebanon.

**Poster-T2-M.85 // The effect of sunlight on medium density polyethylene Water pipes**

Kareem Jasim, Widad Jassim and Shatha Mahdi

Presenter: Kareem Jasim // university of Baghdad/ college of pure science Ibn Alhaitham/ Country. Iraq // Iraq.

**Poster-T2-M.88 // Study characteristics of (epoxy – bentonite doped) composite materials**

Kareem Jassim, Mohammed Thejeel, Ebtisam Salman and Shatha Mahdi

Presenter: Kareem Jassim // university of Baghdad/ college of pure science Ibn Alhaitham/ Country. Iraq // Iraq.

**Poster-T2-M.92 // Capacitance evolution of PV solar modules under thermal stress**

Jean Zaraket, Michel Aillerie and Chafic Salame

Presenter: Jean Zaraket // Lebanese University & Université de Lorraine // Lebanon.

**Poster-T2-M.94 // Ab Initio Study of the Structural and electronic Properties of a new series of quaternary Cu<sub>2</sub>XTS<sub>4</sub> (X = Cd ,Zn)**

Chafia Mebarkia and Dib Djalel

Presenter: Chafia Mebarkia // tebessa // Algeria.

**Poster-T2-M.102 // Three, Five and Seven PV Model Parameters Extraction using PSO**

Abdelghani Harrag and Sabir Messalti

Presenter: Abdelghani Harrag // CCNS Laboratory // Algeria.

**Poster-T3-M.3 // Methodology of Feasibility Studies of Micro-Hydro power plants in Cameroon: Case of the Micro-hydro of KEMKEN**

Kengne Signe Elie Bertrand, Oumarou Hamandjoda and Nghanhou Jean

Presenter: Kengne Signe Elie Bertrand // 1- National Advanced School of Engineering of Yaoundé, PO Box: 8390 Yaoundé; 2- Institute for Geological and Mining Research of Yaoundé, PO Box: 4110 Yaoundé. // Cameroon.

**Poster-T3-M.14 // Heat Transfer performance for Turbulent Flow Through a Tube Using Baffles.**

Amina Benabderrahmane, Abdelylah Benazza, Derras Mokhtar and Samir Laouedj

Presenter: Amina Benabderrahmane // Faculty of Technology Djillali liabes University // Algeria.

**Poster-T3-M.27 // Study the development (Evolution) of process of hydraulic fracturing « the study of the well-bore ONM 543».**

Arbaoui Mohamed Ali

Presenter: Arbaoui Mohamed Ali // university kasdi merbah ouargla algeria // Algeria.

**Poster-T3-M.28 // Control of High-Power Wind Energy Conversion System Fed by Multi-level Converters**

Youssef Errami, Abdellatif Obbadi, Smail Sahnoun, Mohamed Barara, Mohammed Ouassaid, Mohamed Maaroufi

Presenter: Youssef Errami // Faculty of Science- University Chouaib Doukkali, Eljadida // Morocco.

**Poster-T3-M.32 // Hydrodynamic Modeling of the Albian Aquifer of the Plain of Ain Oussera (Semi-Arid Area, Algeria).**

Mohamed Azlaoui, Imed Eddine Nezli, Atif Foufou and Nadjib Haied

Presenter: Mohamed Azlaoui // Faculty of Applied Sciences, University Kasdi Merbah, 30,000 Ouargla, Algeria // Algeria.

**Poster-T3-M.78 // Anaerobic digestion as sustainable source of energy: A dynamic approach for improving the recovery of organic waste**

Marco Ragazzi, Manfredi Maniscalco, Vincenzo Torretta, Ferronato Ferronato and Elena Cristina Rada

Presenter: Elena Cristina Rada // University of Trento, Department of Civil, Environmental and Mechanical Engineering & University of Insubria, Department of Theoretical and Applied Sciences // Italy.

**Poster-T3-M.84 // Wind Potential Assessment of M'sila in Algerian Highlands Regions; Modeling of Wind Turbine Noise**

Benmedjahed Miloud, Maouedj Rachid and Mouhadjer Samir

Presenter: Benmedjahed Miloud // Unité de Recherche en Energies Renouvelables en Milieu Saharien (URER.MS) ADRAR // Algeria.

**Poster-T3-M.7 // Biodegradation and Detoxification of Malachite Green Dye Using Novel Enzymes from Bacillus cereus Strain KM201428: Kinetic and Metabolite Analysis**

Wanyonyi Chisutia Wycliffe, Onyari John Mmari, Shiundu Paul Mwanza and Mulaa Francis Jackim

Presenter: Wanyonyi Chisutia Wycliffe // University of Kabianga // Kenya.

**Poster-T4-M.17 // Environmental sustainability of universities: critical analysis of a green ranking**

Marco Ragazzi and Francesca Ghidini

Presenter: Marco Ragazzi // University of Trento // Italy.

**Poster-T4-M.38 // Application Of Drastic Method For Determining The Vulnerability Of An Alluvial Aquifer Morsott - El Aouinet N.e Algerien, Using Arcgis**

Abdeslam Ilhem, Fehdi Chemseddine and Djabri Larbi

Presenter: Abdeslam Ilhem // university larbi tbessi -Tebessa-ALGERIA // Algeria.

**Poster-T4-M.39 // Evolution and Mineralization of Water Chemistry in the Aquifer systems of the Terminal Complex of the Wadi Righ Valley**

Asma Bettahar, Imed Eddin Nezli and Rabah Kechiched

Presenter: Asma Bettahar // university of KAsdi Merbah // Algeria.

**Poster-T4-M.43 // Water Quality At A Karstic Aquifer In The Region Of Tebessa, Northeast –ALGERIA-**

Legrioui Radhia and Baali Fethi

Presenter: Legrioui Radhia // University of Tebessa // Algeria.

**Poster-T4-M.44 // Influences of Heat Treatment on Superconducting Properties of Bi1.7Pb0.3(nanoTi0.2)Sr2Ca2Cu3O10 +d Thin Film Deposited on Different Substrates**

Muna Abbas and Ali Abdulridha

Presenter: Muna Abbas // University of Baghdad // Iraq.

**Poster-T4-M.47 // Antioxidant glutathion dependent System Response to in vivo exposure to metals in Perna perna of the Gulf of Annaba (Algeria).**

Khati Wyllia, Banaoui Ali and Gasmi Yousria

Presenter: Khati Wyllia // Tarf University // Algeria.

**Poster-T4-M.48 // Water pollution diagnosis and risk assessment of Wadi Zied plain aquifer caused by the leachates of Annaba landfill (N-E Algeria)**

Atif Foufou, Saadane Djorfi, Nadjib Haied, Rabah Kechiched, Mohamed Azlaoui and Azzedine Hani

Presenter: Atif Foufou // Earth sciences Faculty, Geology Departement, Badji Mokhtar-Annaba university, BP 12, 23000 Annaba, Algeria // Algeria.

**Poster-T4-M.52 // Neuromast alteration system of the lateral line of a freshwater fish "Gambusia affinis" by various xenobiotics**

Gasmi Yousria, Belhocine Karim, Khati Willia, Bensouillah Mourad and Denizo Jean Pierre

Presenter: Gasmi Yousria // Tarf university // Algeria.

**Poster-T4-M.54 // Sources of chemistry of the albian waters under arid conditions. Application to the western regions of the Algerian Sahara**

Slimane Abdeldjabbar Benhamida, Imed Eddine Nezli and Rabah Kechiched

Presenter: Slimane Abdeldjabbar Benhamida // ANRH(National Agency of Hydraulic Resources) / Kasdi Merbah University-Ouargla- Algeria // Algeria.

**Poster-T4-M.58 // Vulnerability Assessment Of An Aquifer In Arid Environment And Comparison Of The Applied Methods: Case Of The Mio-plio- Quaternary Aquifer In Oued Righ Valley (Southeastern Algeria).**

Guettaia Sabrine, Hacini Messaoud, Boudjema Abderrezak and Zahrouna Abderrezak

Presenter: Guettaia Sabrine // Tlemcen university // Algeria.

**Poster-T4-M.62 // Geochemical study of the degree of water pollution of the terminal complex (CT) in the Ouargla region (Algeria).**

Chaouki Mourad and Chaouch Noura

Presenter: Chaouki Mourad // université Kasdi Merbah Ouargla // Algeria.

**Poster-T4-M.64 // Drought assessment and monitoring using meteorological indices in a semi-arid region**

Nadjib Haied, Atif Foufou, Salah Chaab, Mohamed Azlaoui, Samira Khadri, Kheira Benzahia and Imen Benzahia

Presenter: Nadjib Haied //

Earth and Universe Sciences Department, Ziane Achour-Djelfa University, Djelfa 17000, Algeria // Algeria.

**Poster-T4-M.71 // Characterization of groundwater in arid zones (case of the basin of Ouargla)**

Rachid Belhadj Aissa and Djamel Boutoutaou

Presenter: Rachid Belhadj Aissa // university Kasdi Merbah of Ouargla // Algeria.

**Poster-T4-M.73 // Sorption of methylene blue by luffa cylindrical, optimization and modeling using a response surface methodology (RSM)**

Farida Bendebane, Salima Bendebane and Fadhel Ismail

Presenter: Farida Bendebane // University of Annaba // Algeria.

**Poster-T4-M.83 // Evaluation of three medicinal plants for methane production, fibre digestion and rumen fermentation in vitro**

Samir Medjekal, Raúl Bodas, Hacène Bousseboua and Secundino Lopez

Presenter: Hacène Bousseboua // Ecole Nationale Supérieure de Biotechnologie, Ville universitaire Ali Mendjeli BP 66E RP 25100, Ali Mendjeli/Constantine (Algérie) // Algeria.

**Poster-T4-M.89 // Degradability of lead dioxide in aqueous organic acid solutions**

Salima Bendebane, Souad Djerad, Lakhder Tifouti

Presenter: Salima Bendebane // University Badji Mokhtar Annaba - Algeria // Algeria.

**Poster-T4-M.90 // Study The Effect of Recycled Glass on The Mechanical Properties of Green Concrete**

Aseel B. Al-Zubaid, Kadum M. Shabeeb and Aynoor I. Ali

Presenter: Aynoor I. Ali // University of Technology / Dept of Materials Eng. // Iraq.

**Poster-T4-M.99 // Operation of Thermal and Drinking Water Stations with Different Nile Level Conditions**

Nadia Mohamed Eshra

Presenter: Nadia Mohamed Eshra // Nile Research Institute // Egypt.

**Poster-T4-M.100 // Automatic recognition of electric loads analyzing the characteristic parameters of the consumed electric power through a Non-Intrusive Monitoring methodology**

Panagiotis Papageorgas, Maria Barbarosou, Omar Hamid, Kleanthis Prekas and Chafic Salame

Presenter: Panagiotis Papageorgas // TECHNOLOGICAL EDUCATIONAL INSTITUTE OF PIRAEUS // Greece.

**Poster-T4-M.106 // Fitness evaluation while using contaminant transport models for Environmental forensic investigation**

Muhammed Siddik Abdul Samad, George K Varghese and Babu J Alappat

Presenter: Muhammed Siddik Abdul Samad // TKM COLLEGE OF ENGINEERING // India.

**Poster-T4-M.114 // Effect of lecaniodiscus cupaniodes extract in corrosion inhibition of normalized and annealed mild steels in 0.5M HCl**

Olufunmilayo Joseph, Isaac Fayomi and Olakunle O. Joseph

Presenter: Olufunmilayo Joseph // Covenant University // Nigeria.

**Poster-T4-M.117 // Self-compacting concrete in pavement construction: Strength grouping of some selected brands of cements**

Ayobami Busari, Joseph Akinmusuru, Adebajji Ogiye and Joshua Okeniyi

Presenter: Joshua Okeniyi // Covenant University, Ota, Nigeria // Nigeria.

**Poster-T4-M.122 // Structural properties and microhardness performance of induced composite coatings filled with Cocos nucifera-tin functionalized oxide**

Ojo Sunday Fayomi, O.O Joseph and Api Popoola

Presenter: Ojo Sunday Fayomi // Covenant University // Nigeria.

**Poster-T4-M.1 // Unconventional Reducing Gases Monitoring In Everyday Places**

Luca Dalla Valle, Giorgia Passamani, Elena Cristina Rada, Vincenzo Torretta and Rodica Ciudin

Presenter: Elena Cristina Rada // "University of Trento / Department of Civil, Environmental and Mechanical Engineering // Italy.

**Poster-T4-M.2 // The COP 22 New commitments in support of the Paris Agreement**

Anissa Ghezloun

Presenter: Anissa Ghezloun // CDER // Algeria.

**Poster-T4-M.18 // Effect addition of Graphene on Electrical Conductivity and Tensile Strength for Recycled Electric Power Transmission Wires**

Fadhil A. Chyad, Akram R. Jabur and Hussein A. Alwan

Presenter: Akram R. Jabur // Department of Materials Eng.- University of Technology // Iraq.

**Poster-T4-M.20 // Role of the urban vegetal in improving the thermal comfort of a public place of a contemporary Saharan city.**

Abdelhakim Hanafi and Djamel Alkama

Presenter: Abdelhakim Hanafi // University of Batna1 // Algeria.

**Poster-T4-M.21 // Courtyard Building's Morphology Impact on Thermal and Luminous Environments in Hot and Arid Region**

Marouane Samir Guedouh and Nouredine Zemmouri

Presenter: Marouane Samir Guedouh // University of Biskra // Algeria.

**Poster-T4-M.24 // Experimental study and comparison between the use of natural and artificial coarse aggregate in concrete mixture**

Mohamed Ibrahim Hachani, Abdelouahed Kriker and Mehdi Seghiri

Presenter: Mohamed Ibrahim Hachani // Laboratoire Exploitation et Valorisation des Ressources Naturelles en Zones Arides (E.V.R.N.Z.A.), Université Kasdi merbah de Ouargla (Ouargla, 30000, Algeria) // Algeria.

**Poster-T4-M.26 // The impact of Constructivism Density of The urban Tissue in Improving The physical Urban Ambience of The Free Space - The street- For Saharian Cities. The study of The case City of Biskra.**

Rami Qaoud and Djamel Alkama

Presenter: Rami Qaoud // Department of Architecture // Algeria.

**Poster-T4-M.60 // Epoxy/Silicone rubber blends for voltage insulators and capacitors applications**

Kareem Jasim, Shatha Mahdi, Widad Jassim and Intisar Hamad

Presenter: Kareem Jasim // university of baghdad / college of education for pure science Ibn Alhatham // Iraq.

**Poster-T4-M.72 // Phytotoxicity evaluation of pretreated leachate by precipitation on seed germination: the barley and cress case**

El Bada Nawal

**Presenter:** El Bada Nawal // Laboratoire de l'eau et de l'Environnement (LEE) Département de Chimie, Faculté des Sciences, Université Chouaib Doukkali ElJadida // Morocco.

**Poster-T4-M.87 // Thermal characteristics of Model houses Manufactured by date palm reinforced earth bricks in desert regions of Ouargla Algeria**

Soumia Hakkoum, Abdelouahed Kriker and Abdessalam Mekhermeche

**Presenter:** Soumia Hakkoum // KASDI MERBAH UNIVERSITY OUARGLA // Algeria.

**Poster-T4-M.97 // Characteristics of Sand of the Oueds in the Region of Oued Righ (Oued N'SA , Oued M'ZAB and Oued Rtem) in the Making of Concrete in the Arid Regions**

Bedadi Laid and Bentebba Mohammed Tahar

**Presenter:** Bedadi Laid // Ouargla university // Algeria.

**Poster-T4-M.101 // Sustainability through Art**

Ana Cruz Lopes, João Farinha and Miguel Amado

**Presenter:** Ana Cruz Lopes // Faculdade de Ciências e Tecnologia - Universidade Nova de Lisboa // Portugal.

**Poster-T4-M.103 // On the use of probabilistic approach to simulate groundwater flows. Case of the Annaba aquifer (Algeria)**

Samir Hani, Badra Aoun-Sebaiti, Nabil Bougherira and Azzedine Hani

**Presenter:** Nabil Bougherira // Water Resources and Sustainable Development Laboratory, Dep. Geology. University of Annaba, BP 12, 23000 Annaba, Algeria // Algeria.

**Poster-T4-M.104 // Effect of Exhaust Gases Temperature on the Performance of a Hybrid Heat Recovery System**

Hassan Jaber, Mahmoud Khaled, Jalal Faraj, Thierry Lemenand and Mohamad Ramadan

**Presenter:** Hassan Jaber // Lebanese International University // Lebanon.

**Poster-T4-M.111 // Models QSPR for the prediction of octanol/water partition coefficient of organophosphorous insecticides.**

Rana Amiri, Amel Bouakkadia, Zoubida Habes and Djelloul Messadi

**Presenter:** Rana Amiri // University of Badji Mokhtar Annaba // Algeria.

**Poster-T4-M.115 // Modeling and prediction of flash point of unsaturated hydrocarbons using hybrid genetic algorithm /multiple linear regression approach**

Mabrouka Didi, Hamza Haddag, Youcef Drouiche and Djelloul Messadi

**Presenter:** Mabrouka Didi // university of BADJI Mokhtar annaba .ALGERIA // Algeria.

**Poster-T4-M.116 // Did the global warming confirm in central northern Sahara (case of the region of Ouargla, Algeria)**

Fatiha Hadjaidji-Benseghier, Nadjib Talbi and Arezki Derridj

**Presenter:** Fatiha Hadjaidji-Benseghier // Université Kasdi Merbah de Ouargla // Algeria.

**Poster-T4-M.118 // Water Demand Assessment of the Semi-arid Upper Catchment of the Kébir-Rhumel Mediterranean Watershed**

Hocine Kiniouar and Azzedine Hani

**Presenter:** Hocine Kiniouar // Mohamed Seddik Benyahia - Jijel University // Algeria.

**Poster-T4-M. // Corrosion-inhibition and compressive-strength performance of Phyllanthus muellerianus and triethanolamine on steel-reinforced concrete immersed in saline/marine simulating-environment**

Joshua Okeniyi, Abimbola Popoola and Cleophas Loto

**Presenter:** // Covenant University // Nigeria.

**Poster-T5-M.25 // Experiencing Urban Mining in an Italian Municipality towards a Circular Economy vision**

Marco Ragazzi, Silvio Fedrizzi, Elena Cristina Rada, Gabriela Ionescu, Rodica Ciudin and Lucian Ionel Cioca

**Presenter:** Marco Ragazzi // University of Trento Department of Civil, Environmental and Mechanical Engineering // Italy.

**Poster-T5-M.29 // Effect of evaporite paleo-lacustrine facies on the brines geochemistry, economy implication. Case of chott Bagdad El Hadjira Ouargla, South-Eastern Algeria**

Abdennour Haddane, Messaoud Hacini and Abdelaziz Bellaoueur

**Presenter:** Abdennour Haddane // Laboratoire de géologie du Sahara, Université Kasdi Merbah Ouargla. // Algeria.

**Poster-T5-M.50 // Economic benefits from the coordinated control of Distributed Energy Resources and different Charging Technologies of Electric Vehicles in a Smart Microgrid**

Anestis Anastasiadis, Stavros Konstantinopoulos, Georgios Vokas and Maya Julian-Salame

Presenter: Anestis Anastasiadis // PIRAEUS UNIVERSITY OF APPLIED SCIENCES (TEI Piraeus) // Greece.

**Poster-T5-M.129 // Comparison study of the technical characteristics and financial analysis of electric battery storage systems for residential use**

Marios Palyvos, Georgios Vokas, Chafic Salame and Panagiotis Papageorgas

Presenter: Marios Palyvos // Electronic Engineer // Greece.

**Poster-T5-M.4 // Technical and economic analysis of hybrid solar/wind energy source for the site of Tlemcen**

Asma Chadel, Meriem Chadel, Michel Aillerie and Boumédiene Benyoucef

Presenter: Michel Aillerie // Lorraine University; Supelec - GeorgiaTech // France.

**Attendee-TA-M.201 // Attendee**

Raad Hameed Majeed

Presenter: Raad Hameed Majeed // college of education for pure science (ibn al haitham)- University of baghdad // Iraq.

**Attendee-TA-M.202 // Attendee**

Aliyah Abd Al Mhsin Shehab

Presenter: Aliyah Abd Al Mhsin Shehab // college of education for pure science (ibn al haitham)- University of baghdad // Iraq.

**Attendee-TA-M.203 // Attendee**

Ahmed Mohamed hasan A.Ulkadhim Al-Ghaban

Presenter: Ahmed Mohamed hasan A.Ulkadhim Al-Ghaban // Department of Materials Engineering, University of Technology // Iraq.

**Attendee-TA-M.204 // Attendee**

SAHAR ASKAR LUAIBI

Presenter: SAHAR ASKAR LUAIBI // Ministry of Science and Technology // Iraq.

**Attendee-TA-M.205 // Attendee**

Meriem Amoura Louni

Presenter: Meriem Amoura Louni // Faculty of physics-USTHB // Algeria.

**Attendee-TA-M.206 // Attendee**

Ali Sami Ismail

Presenter: Ali Sami Ismail // College of Education for Pure Sciences // Iraq.



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