

5th International Conference on Green Energy & Environmental Engineering

GEEE - 2018



Program Booklet

28 - 30 April 2018, Sousse -Tunisia



International Publisher & C.O

8^h50 – 10^h40

OPENING / ROOM A

8^h50 – 10^h40

**Plenary Session : Living in Balance - New Ways of
Cohabitation with Nature – Prof. Ilie Gebeshuber**
Chair : Dr. Ahmed Rhif



(10^h30-11^h00)

28th April 2018 \ 11^h00 – 12^h40 \ ROOM A

✓ **Electrical Engineering**

Chairs : Tahar Bahi, Youcef Soufi

ID-145	Implementation of Remote Self-Tuning Fuzzy PID Controller for Induction Motor Through Ethernet. <i>Abdullah A. Al-Manfi.</i>
ID-133	Analysis the Performances of Solar Photovoltaic System. <i>Tahar Bahi; bedoud kholoud; MERABET Hichem; HENICHIRI Abdelhamid; Salima LEKHCHINE.</i>
ID-134	Particle swarm optimization (PSO) for photovoltaic generator operating under partially shaded conditions. <i>Banawaz Marwa, Zeddini Mohamed Ali, Mansouri Mohamed Nejib.</i>
ID-84	Graphene Field-Effect Transistor for pH sensing application: Sensitivity Analysis and Simulation Study. <i>Tarek Grou; Lassaad Elmir; Montassar Najari.</i>
ID-17	Non-invasive glucose monitoring: Application and technologies. <i>Ghozzi Dorsaf, Manai Yacine, Nouri Khaled.</i>
ID-33	Power Control Of Fuel Cell Connected To Power System. <i>Glaoui hachemi.</i>

ID-66	Multi-wind generators to supply water pump system based on cascaded H-bridge inverters. <i>Imen Jaafar, Oussama Bouaziz, Faouzi Ben Ammar.</i>
ID-135	Multi-objective powertrain optimization of cost and autonomy for electric vehicles. <i>Mariam Ben Amor; Souhir Tounsi.</i>
ID-150	Parameterized Design and Sizing Program of Two Equivalent Structures of Synchronous Generators Dedicated to Wind Energy Power System. <i>NASRI Nouha, TOUNSI Souhir.</i>
ID-47	Sliding Mode Control of a Five-Phase Series- Connected Two-Motor Drive. <i>Omar Zouaid; Nezli Lazhar.</i>



(12^h40-14^h00)

28th April 2018 \ 14^h30 – 16^h30 \ ROOM A

✓ **Environmental Engineering**

Chairs : Sawssen Hammami, Mimi Belatel

ID-35	Model Simulation of Cs-137 Contaminate at Al Tuwaitha Site. <i>Ahmed Hazim Abdulkareem; Ayad Mustafa; Rasha Soud.</i>
ID-19	Physical properties of silver doped CdO thin films obtained by sol gel spin coating technique. <i>Islem.Ben Miled, M.Jlassi, M.Dhaouadi, M.Hajji, H.Ezzaouia.</i>
ID-128	Modelling of antibiotics removal from aqueous solution by surfactants using neural networks. <i>Asmaa Boukhelkhal, O. Benkortbi</i>
ID-95	L'optimisation du chenal algal à haut rendement en étage pour l'épuration des eaux usées. <i>Siham BOUMAAZA, Najoua HADDAOUI et Jamal Eddine JELLAL.</i>
ID-108	Comparative study of the performance of two heating ways in the greenhouse production. <i>Douja Sellami; Salwa Bouadila; Hassen a Boughanmi; Asma Ben Salem Fnayou.</i>
ID-161	Environmental Impact of Naturalizing Architecture through Archiborecsence Concept (designing energy efficient buildings). <i>FARES Rima Beya; Tahar Amine Abderrahmane.</i>

ID-175	Vers un instrument local de protection de l'environnement pour la ville algérienne. <i>GHERBI Mohamed.</i>
ID-123	Application de la Courbe Environnementale de Kuznets Cas d'Algérie. <i>KECIRA Fatima Zohra, AKROUF Taklit.</i>



(18^h30-20^h30)

21^h00 - 22^h10 Coaching « L'énergie positive »

29th April 2018 \ 9^h00 – 10^h30 \ ROOM A

✓ Communication

Chairs : Amer Zerek, Youcef Soufi

ID-179	Computation of the Zeros of the Mittag-Leffer as Bargmann Functions. <i>Hend Abdelgader Eissa; Nuria Hassan Elf akih.</i>
ID-181	Speed Control of Chopper Fed DC Motor Using PID Controller For Industrial Drive Application. <i>Ashraf Shariha; Ali A Mehna; Rajab Ibsaim; Alejeli Alhengari.</i>
ID-182	IMPLEMENTATION OF SMART BUILDING (A Complete End to End Solution for Smart Building System). <i>Safa Abdulhakim sherif; Marwa Abdulhakim sherif; Hend Abdelgader Eissa.</i>
ID-183	Teaching Aid for Operational Amplifier Applications Using Simulink Tool. <i>Fareda A. Elmaryami.</i>
ID-184	SMART BUILDING Using EEG Signal Controller (First Controlling Method). <i>Safa Abdulhakim sherif; Marwa Abdulhakim sherif.</i>
ID-185	SMART BUILDING Using Web Application (Second Controlling Method). <i>Marwa Abdulhakim sherif; Safa Abdulhakim sherif.</i>
ID-187	A New Criteria for Evaluating Quality Educational Websites. <i>Siham Husin BinKhalifa; Rehab R.Alsoudani.</i>
ID-194	Factors affecting Small Signal Stability in Two Area System. <i>Omar G.Mrehel; Abdulaziz Abdurasoul.</i>



(10^h30-11^h00)

29th April 2018 \ 11^h00 – 12^h40 \ ROOM A

✓ Poster Session

Chairs : Djamila Rekioua, Brahim Berbaoui, Mimi Belatel

ID-39	Density Functional Theory investigation of structural, electronic and optical properties of Cerium Titanium Dioxide alloys. <i>Amraoui Rabie, Doghmane Malika, Chettibi Sabah.</i>
ID-78	Energy management control for fuel cell super capacities electric vehicles. <i>Halim Azzi; Djamila REKIOUA; Seddik Bacha.</i>

ID-34	Application of Direct Power Control in Wind Energy Conversion System. <i>BEDOUD Khouloud; Ahmed Rhif; Bahi Tahar.</i>
ID-124	Effet de l'inoculum et du prétraitement sur le potentiel biométhane des déchets de l'oléiculture. <i>BELKACEM Mohamed ; N.W MAAMIR, Y.R. OUAHABI, K. BENSADOK.</i>
ID-171	A simple gas pressure manometer for measuring hydrogen production by hydrogenogenic cultures in serum bottles in Process Biochemistry. <i>Hana Gannoun, Lamia Ben Gaida, Rafika Saidi, Baligh Miladi, Moktar Hamdi, Hassib Bouallagui, Pierre Pol Liebgott, Richard Auria</i>
ID-16	Investigations on elastic, magnetic, and electronic properties of Nickel Based Metallic Superconducting Materials. <i>Yasmina. Benmalem, A. Abbad, W. Benstaali, T. Lantri.</i>
ID-155	Use the Stefanis Panayiotou method for the determination of Hansen solubility parameters for the extraction of fatty acids by a petrochemical solvent and a green solvent: alpha-pinene. <i>Sadjia Bertouche, Chahrazed Boutekedjiret, Amina Hellal, Naima Sahraoui.</i>
ID-195	Ridge Waveguide Coupler Using Algorithms Genetic Method. <i>BOUSALAH Fayza.</i>
ID-174	spectral characteristics of a high birefringence fiber bragg grating sensor. <i>Amel. Bouzida, H. Triki, S.Bensenani.</i>
ID-0	Combined effect of doping level and acid vapor etching post-treatment on PL behavior of SiNWs. <i>Chohdi AMRI.</i>
ID-177	Oxidation effect of activated carbon on the methane storage. <i>Wahid Djeridi, Nabil Ben Mansour , Abdelmottaleb Ouederni, Lassaad El Mir</i>
ID-126	ETUDE COMPARATIVE ANALYTIQUE NUMERIQUE DE L'ECOULEMENT DE LA COUCHE LIMITE AVEC LA PRESENCE D'UN CHAMP THERMIQUE ET UN CHAMP MAGNETIQUE. <i>Sihem GHERIEB , Mohamed Rafik SARI</i>
ID-25	La mise en place d'un outil de Prévision des Accidents liés aux Éoliennes avec le langage PYTHON. <i>Hadji Merouane, Benfekir Abderrahim, Zoubida Lounis</i>
ID-148	Etude des effets thermiques dans les FINFETs. <i>Hamdi Achtar.</i>
ID-107	Control of the DC Voltage Output Photovoltaic System. <i>HENICHIRI Abdelhamid; Tahar Bahi; KHOHEMANE Lakhdar; Salima LEKHCHINE.</i>
ID-42	TECHNICO-ECONOMIC ASPECT ANALYSIS IN THE DESIGN OF SOLAR CHIMNEY POWER PLANTS. <i>IKHLEF Khaoula, LARBI Salah.</i>
ID-136	Strategies of Speed Control of Induction Motor Drive. <i>Salima LEKHCHINE; Tahar Bahi; LAYATE Zakaria; HENICHIRI Dr Abdelhamid.</i>
ID-117	control of activr and reactive powers of dfig by neural network technology. <i>Smail Mansouri, A Benatiallah.</i>

ID-27	Effect of annealing temperature on Physical properties of Copper Oxide Thin films. <i>Mehdi Dhaouadi, Mohamed Jlassi , Islem Ben Miled, Wissem Dimassi.</i>
ID-37	Study of the variation of refractive index for different organic liquids of an optical channel drop filter on a 2D photonic crystal ring resonator. <i>Ghoumazi Mehdi, Abdessalam Hocini.</i>
ID-178	Elaboration and characterization of hybrid organic/inorganic nanocomposites for the negatronic and gas storage. <i>Nabil. Ben Mansoura, W. Djeridia and L. El Mir.</i>
ID-87	The Purifying Role Of A Filter Planted With Tamarix Africana In The Removal Of Nitrate Present In Waste water. <i>N. Guerrouf, N. SEGHAIRI.</i>
ID-142	Valorization of date stones of the south of algeria-into microporous activated carbon. <i>Ouahiba Belaid.</i>
ID-156	simulation de la température de sortie du fluide caloporteur dans un concentrateur solaire cylindro-parabolique. <i>TAKIEDDINE.Reddah, H.Benmoussa, M.Aissani.</i>
ID-79	PEM Fuel cells/Supercapacitors in electric vehicle. <i>Djamila REKIOUA; Halim Azzi.</i>
ID-125	contribution for green road freight transportation: truck platoon application based on fuzzy logic. <i>Said Moh AHMED, Saïd HAYAT, Yassin EL HILALI, Atika MENHAJ.</i>
ID-0	Influence of temperature on the structural, optical and electrical properties of CuSbS ₂ thin films deposited by sputtering magnetron. <i>Saif Eddine Dekhil.</i>
ID-172	Interaction of cosmic rays with the geomagnetic field. <i>Samia. Bensenani, R. Attallah, A. Bouzida.</i>
ID-72	Modélisation systémique d'un système de propulsion du type Moteur-Roue avec les Bond Graphs. <i>Sihem dridi; Ines Ben Salem; Lilia EL Amraoui.</i>
ID-96	Nouvelle méthode de prétraitement des éléments de terres rares: Application aux lampes fluorescentes. <i>Yassine TAHIRI ALAOUÏ; SEMLALI AOURAGH HASSANI.</i>
ID-100	Algorithm To Solve The Nonlinear System. <i>Warda. Djoudi, A. Zerarka.</i>
ID-88	The Travelling Wave Solutions For The Generalized BBM Equation. <i>Warda. Djoudi, A. Zerarka.</i>
ID-157	Étude du comportement thermique de bâtiment par voie numérique. <i>ZAIRI Abdellatif.</i>
ID-4	Analysis and optimization of vibration sensor. <i>Zine Ghemari.</i>



(12^h40-14^h00)

29th April 2018 \ 14^h30 – 16^h30 \ ROOM A
Chemical & Environmental Engineering
Chairs : Nahla Bouaziz, Sassen Hammami

ID-3	A Power System Connected Fuel Cell Based On Dynamic Voltage Restorer (DVR). <i>Dehini Rachid; Berbaoui Brahim.</i>
ID-170	Etude numérique d'un jet coaxial turbulent diphasique. <i>Mariem Bayouadh, Touati Hazem, Ben Nticha Hmaied.</i>
ID-41	Etude de la production d'électricité par les cycles ORC et choix du fluide de travail pour un cycle ORC simple. <i>Nawel Ben Ali.</i>
ID-142	Approche Solution of Population Balances for Growth and Aggregation Processes. <i>Barhoum Zineb; ouahiba belaid; Bacha Oussama.</i>
ID-176	Le comportement thermique d'un logement collectif mono-orienté cas d'Ain Malha-Alger. <i>LAISSAOUI Ahlam, MAACHI Ismahan, OUKACI Soumia.</i>
ID-82	Removal of phosphate from domestic sewage on a filter planted with Phragmite communis. <i>Naoual Guerrouf, N. SEGHAIRI.</i>
ID-60	The effect of urban geometry on outdoor thermal comfort. Application of the UTCI index in hot and arid climates. <i>SEDIRA Sara, MAZOUZ Said.</i>
ID-140	Numerical Simulations of Al ₂ O ₃ Nanofluid Flows in the Laminar Regime in a Uniformly Heated Pipe. <i>Rabeb Gorgueb, Yoldoss Chouari, Hatem Mhiri, Philippe Bournot.</i>
ID-101	The Travelling Wave Solutions For A Long Waves Equation. <i>Warda. Djoudi, A. Zerarka.</i>
ID-118	Contribution to the degradation modelling of a polycrystalline photovoltaic cell under the effect of stochastic thermal cycles of a desert environment. <i>Boussaid Mohammed.</i>



(18^h30-20^h30)

21^h00 – 23^h00 Closure & Night Meeting

Excursion (8^h00-12^h40) Sousse



(12^h40-14^h00)

Looking forward to see you at GEEE-2019

<http://ipco-co.com/GEEE.html>

Thank you

Program of the 5th International Conference on Green Energy and Environmental Engineering -GEEE-2018-

April 28 – 30, 2018 – Sousse, Tunisia

	Friday, April 27	Saturday, April 28	Sunday, April 29	Monday, April 30
8:00 – 9:00		Registration	Registration	Excursion
9:00 – 10:30	Registration	Opening + Debate	Oral Sessions	
10:30 – 11:00		Coffee Break	Coffee Break	
11:00 – 12:40		Oral Sessions	Poster Sessions	
12:40 – 14:30		Lunch	Lunch	
14:30 – 16:30		Oral Sessions	Oral Sessions	Free
18:50 – 20:40	Dinner	Dinner		
21:00 – 23:00		Coaching « L'énergie positive »	Closure & Night Meeting	