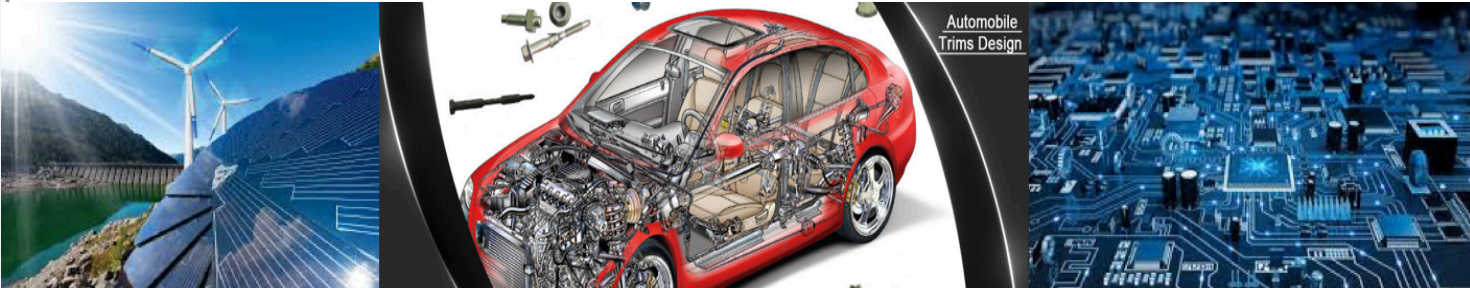




*Sidi Mohamed Ben Abdellah University
Higher School of Technology of Fez*



International Meeting on Advanced Technologies in Energy and Electrical Engineering

Meeting Program



IMAT3E
INTERNATIONAL MEETING ON ADVANCED TECHNOLOGIES
IN ENERGY & ELECTRICAL ENGINEERING

Thursday, November 22

8h30-9h00		Arrival and Distribution of Conference Information	
9 :00-9 :15		➤ Opening speech ➤ Mrs. USMBA University President & The Director of EST of Fez	
9:15-09:45	Meeting Room 1	Pr Cristian Nichita, GREAH Laboratory Le Havre University, France ➤ “Study and development of a wind-tidal coupling concept using functional similarities and real-time emulation systems”	
09 :45-10 :15		Coffee break	
10 :15-12 :30		Session 1 : Renewable energies	
12 :30-14 :30		Lunch break	
14 :30-15 :00	Meeting Room 1	Pr Aissa CHOUDER, M'sila University, Algeria ➤ “Monitoring, Fault detection and diagnosis of grid connected photovoltaic systems”	
15 :00-15 :30		Coffee break	
15 :30-18 :30		Session 2 : Automatic	Session 3 : Telecommunication, Multimedia & material

Friday, November 23

9h00-9h30		Arrival and Distribution of Conference Information	
9 :30-10 :00	Meeting Room 1	Pr Abdelaziz EL GHZIZAL, Laboratoire de Productique, des énergies renouvelables et développement durable, EST Fez ➤ “Overview of solar energy : From material to the use”	
10 :00-10 :30		Coffee break	
10 :30-12 :00		Session 4 : Renewable energies	
12 :00-13 :00		Session 5 : Virtual presentation	

Sessions 1, 2, 4 at the meeting room 01

Session 3 at the meeting room 02

SESSIONS PROGRAM

Thursday November 22

SESSION 1	
Thursday: 10:15-12:30	Renewable energies
Meeting room 01	Moderators: : Rachid EL BACHTIRI (EST-Fez, Morocco) & Karima ELHAMMOUMI (EST-Fez, Morocco)
	Authors & title of paper
10:15-10:30	<i>Samah Mehira and Aicha Boussonalim:</i> “La contribution de système solaire photovoltaïque à la production d’électricité dans le secteur résidentiel en Algérie”
10:30-10:45	<i>Kamal Amghar, Hicham Bouali, Abdelkader Filali, Mohamed Ali Loubibi and Najim Salb:</i> “Turbulent flow and heat transfer in confined channel flow past four square bars arranged side by side”
10:45-11:00	<i>Ouafae Elbourimi and Abdelkrim Albajjami:</i> “Development of a training curriculum in renewables energies”
11:00-11:15	<i>Mustapha Alaoui, Hattab Maker and Azeddine Mouben:</i> “PV Emulator based on Interleaved Buck Converter using Adaptive PI Controller”
11:15-11:30	<i>Kabira EZZAERI, Hicham FATNASSI, Lahcen BOUIRDEN, and Ahmed AHAROUNE:</i> “Panneaux photovoltaïques sur serre agricole canarienne marocaine”
11:30-11:45	<i>Lahcen El lysaony, Mhammed Labbabi and Abdelmajid Oumnad:</i> “Performance improvement of partially shaded PV array using magic square view topology to mitigate the mismatching power losses”
11:45-12:00	<i>Hala Alami Aroussi, Ziani Elmostafa and Badre Bossoufi:</i> “Backstepping Approach applied to the DFIG-WECS”
12:00-12:15	<i>Naciri Soukaina, El Markhi Hassane and El Moussaoui Hassan:</i> “Hosting capacity calculation of the distribution grid HTA”
12:15-12:30	<i>Omar Diouri, Ahmed Gaga, Najia Es-Sbai and Fatima Errabimi:</i> “Control of single phase inverter using back-stepping in stand-alone mode”

SESSION 2	
Thursday: 15:30-18:15	Automatic
Meeting room 01	Modérateurs : Aziz Derouich (EST-Fez, Morocco) & Badre BOSSOUFI (EST-OUJDA, Morocco)
	Authors & title of paper
15:30-15:45	<i>Saïdi Ahmed, Chellali Benachaïba and Benyahia Samia:</i> “Power management based on fuzzy controller of stand-alone hybrid photovoltaic/wind system”
15:45-16:00	<i>Saïdi Ahmed, Benoudjafer Cherif, Chellali Benachaïba and Benyahia Samia:</i> “Impact of load characteristics on photovoltaic PV system with P&O MPPT controller”
16:00-16:15	<i>Khaoula Oulidi Omali, Mohammed Nabil Kabbaj and Mohammed Benbrahim:</i> “Fault Diagnosis for Manipulator Robot using Observers-Based Approaches”
16:15-16:30	<i>Naoufal El Yousfi, Rachid El Bachtiri, Redouane Chaïbi, Imane Idrissi and Maha Khanfara:</i> “Fuzzy State and Output Feedback - Control for Vehicle Lateral Dynamics”
16:30-16:45	<i>Soufiane Abi, Hamid Bouyghf, Bachir Benbala and Abdelhadi Raïhani:</i> “An Optimal Design for a MOS Varactor using Artificial Bee Colony Algorithm”
16:45-17:00	<i>Mohamed Ageroual, Tijani Lamhamdi, Hassan El Moussaoui and Hassane El Markhi:</i> “Real-Time Distributed Systems Control and Energy Management Using a Multi-Agent Technologies”
17:00-17:15	<i>Manale Bouderbala, Badre Bossoufi, Ahmed Lagrioni, Mohammed Taoussi, Hala Alami Aroussi and Yasmine Ibedrane:</i> “Power control of wind generator using PI regulator”
17:15-17:30	<i>Asmae El Beqal, Loubna Kritele, Bachir Benbala and Izeddine Zorkan:</i> “Nature-inspired algorithms for optimal active band pass Filter design
17:30-17:45	<i>Hafsa Hamidane, Samira El Faiz, Mohammed Guerbaoui, Abdelali Ed-Dahhak, Abdeslam Lachhab and Benachir Bouchikhi:</i> “Pole placement problem for linear systems with constrained control. (An Overview)”
17:45-18:00	<i>Boutaina Elkinany, Mohamed Aljidi and Zakaria Chalh:</i> “Nonlinear Controllers for the unicycle robot stability”
18:00-18:15	<i>Fatima Cheddadi, Ismail Boumbidi and Selma Sefriti:</i> “Comparaison entre la Commande MPPT par mode glissant et la Perturbation et Observation pour les systèmes Photovoltaïques”
18:15-18:30	<i>Omar Zouaid and Lazhari Neçli:</i> “Sliding Mode Control of a Five-Phase Series-Connected Two-Motor Drive”

SESSION 3 Thursday: 15:30-18:00 Meeting room 02		Telecommunication, Multimedia & material
		Modérateurs : Mourad Youssef (EST-Fez, Morocco) & Bachir BENHALLA (UMI, Maknes)
		Authors & title of paper
15:30-15:45	Hamid Bouyghf, Soufiane Abi, Bachir Benbala and Abdelbadi Raibani: “A Comparison of Metaheuristic Techniques for RF Passive Components Optimization”	
15:45-16:00	Mohamed Hachi, Adil Touimi Bejelloun and Souad Elkhattabi: “DFT and TD-DFT study of the influence of the structure modification of organic dyes based on the indole for Dyes”	
16:00-16:15	Youssef El Gholb, José Tornero and Najiba El Amrani El Idrissi: “Leaky Wave Antenna for Mobile phones”	
16:15-16:30	Soukaina Krafes, Zakaria Chalh and Abdelmjid Saka: “ Vision-based control of a flying Spherical Inverted Pendulum on a Quadrotor”	
16:30-16:45	Abdelhak El Ghandouri and Salabeddine Sayouri: “ Etude structurale et diélectrique de titanate de baryum-lanthane Ba _{0.7} La _{0.3} TiO ₃ pur et dopée au nickel préparée par voie sol-gel ”	
16:45-17:00	Krimech Fatima Zabra and Sayouri Salabeddine: “ Synthesis, structural and dielectric properties of Li-doped BaTiO ₃ nanopowders by sol-gel method”	
17:00-17:15	Hanae Chabba, Fouzi Belmir and Driss Dajir: “Aluminum alloys simulation: Molecular dynamics study”	
17:15-17:30	Mohammed Ngadi, Aouatif Amine, Bouchra Nassib and Hanaa Hachimi: “ An Experimental Comparison of Supervised Classifiers on Two Real Datasets for Pattern Recognition ”	
17:30-17:45	Manal BOUALAM, Youssef ELFAKIR, Ghizlane KHAISSIDI, Mostafa MRABT: “Aperçu sur les techniques d'extraction des informations des manuscrits”	
17:45-18:00	Basma M'Lahfi, Mostafa Elqandil and Driss Amegouz: “ Innovative building materials for energy performance in buildings”	

Friday November 23

SESSION 4 Friday: 10:30-11:45 Meeting room 01		Renewable energies
		Moderators: : Abdellah Mechaqrane (FST-Fez, Morocco) & BENSLIMANE Mohamed (EST-Fez, Morocco)
		Authors & title of paper
10:30-10:45	Samira Boujenane, Hassan El Moussaoui, Tijani Lamhamdi and Hassane El Markbi: “Design and control of an LCL-filter-based grid-connected inverter”	
10:45-11:00	Smail Chitita, Saad Motabbir, Aziz Derouich, Abdelaziz El Ghizal and Jamal Belkadi: “Conception d'un Système sur Puce (System-on-Chip) pour la Télémétrie des Courbes Photovoltaïques d'un Nanosatellite en Temps Réel”	
11:00-11:15	Zineb Agachmar, Amine Allouhi and Abdelmagid Jamil: “CPV water pumping systems for agricultural uses: Sizing process, simulation and economic evaluation”	
11:15-11:30	Sara Hallal, Abdelouahed Mesbahi and Mohamed Khajallah: “Contribution of a Static Var Compensator in the compensation of reactive energy”	
11:30-11:45	Laila Kadi, Adil Broui and Abdelmalek Ouannou: “Flux-linkage Characteristics of Switched Reluctance Machine”	

SESSION 5 Friday: 12:00-13:00 Meeting room 01		Virtual presentation
		Moderators: : Abdellah Mechaqrane (FST-Fez, Morocco) & BENSLIMANE Mohamed (EST-Fez, Morocco)
		Authors & title of paper
12:00-12:15	Kausbalendra Kumar Dubey and Rs Mishra: “Solar Integrated Energy Efficient Systems For Waste Heat Recovery Of Power Generation Industry Using Different Eco-Friendly Energy Materials”	
12:15-12:30	Nabanita Dutta, Umashankar Subramaniam and Sanjeevikumar Padmanaban: “ Mathematical models of classification algorithm of Machine learning ”	
12:30-12:45	Mahmoud M. El-Mamy.M: “Modeling and Performance of the Photovoltaic pumping system”	
12:45-1:00	Amine Basli, Jamal Belkadi, Ali Benbassou, Annick Penarier and Stephane Blin: “Radar FMCW pour L'imagerie 3D des matériaux”	