

The first International Conference on Energy, Thermofluids and Materials Engineering
1st ICETME 2021
18 – 20 December, 2021 (ONLINE Conference)

Program of the session

S1: Energy and renewable energy systems

Organizer: Dr. Mohammed Mahbubul Islam - Dhaka University of Engineering & Technology,
Gazipur (Bangladesh)

Session Chairs:

Dr. Mohammed Mahbubul Islam - Dhaka University of Engineering & Technology, Gazipur (Bangladesh)

Dr. Md Azhar - Maulana Mukhtar Ahmad Nadvi Technical Campus, Pune University (India)

Dr. Md Shafiu1 Alam – King Fahd University of Petroleum & Minerals (Saudi Arabia)

Google meet link of the oral session:

<https://meet.google.com/odf-hcjp-aju>

Oral session: Saturday 18th December 2021

[9:00 AM to 13:00 AM Algeria Time/ 14:00 to 18:00 BD Time]

Time	Presenter	ID and Title
9:00 am	Prof. Dr. Adel Benchabane University of Biskra	Opening Speech by the Conference Chair
1 9:15 am	Prof Dr. Mohammad Ashraf Gondal King Fahd University of Petroleum & Minerals (Saudi Arabia)	
2 10:00 am	Prof Dr. Nowshad Amin Universiti Tenaga Nasional (The National Energy University), Selangor, Malaysia	
3 10:30 am	Dr.Fatima Nemla Ecole Normale Supérieure de Setif, ENSS, Algeria	#28 Title: On the structural, elastic, electronic and optical properties of CdS/ZnS super lattice under high pressure. F.Nemla, Dj.Cherrad
4 10:45 am	Dr Sheikh Khaleduzzaman Shah University of Melbourne	ID #112 Title: Levelised hydrogen production costs for a standalone photovoltaic powered system in Australia Sheikh Khaleduzzaman Shah, Lu Aye

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11:00 am 5	Mr. Zouhair Aouissi Laboratoire de Génie Mécanique (LGM), Faculty of Technology, University of Biskra 07000, Algeria	ID #126 Title: A simulated and experimental comparative study of a solar air collector with rectangular baffles. Zouhair Aouissi, Foued Chabane, Mohamed-Salah Teguia, Djamel Bensahal, Noureddine Moummi, Abdelhafid Brima
11:15 am 6	Chaoufi Imane Smart Grids & Renewable Energies laboratory (SGRE), Faculty of Technology, University of Tahri Mohammed, Bechar, Algeria	ID #160 Title: State Of Charge Estimation in Lithium-Ion Battery Using ANFIS Imane Chaoufi, Othmane Abdelkhalek , Brahim Gasbaoui , Fatiha Zaghrat
11:30 am 7	Mr. Zahid Hasan Mamun Institute of Energy Engineering (IEE), Dhaka University of Engineering & Technology, Gazipur (DUET), Gazipur 1707, Bangladesh	ID #179 Title: Maximization of Solar Energy Deployment by Forecasting Solar Irradiance Using Machine Learning Approach Zahid Hasan Mamun, Islam Mohammed Mahbubul
11:45 am 8	Messaoud MAYOUF Electrical engineering department, Faculty of Technology, Mohamed Boudiaf University of Msila, Algeria	ID #189 Title: DC bus voltage regulation of a standalone permanent magnet synchronous generator based wind power conversion system using torque estimation approach M. Mayouf
12:00 pm 9	Achouri Intissar Université Kasdi Merbah Ouargla	ID #192 Title: Direct steam production analysis by a Parabolic Trough Collector (PTC) in the Ouargla region A. Intissar, S. Mouhamed Elbar, T. Salah
12:15 pm 10	Dr. Mourad Hebali Department of Electrotechnical, University Mustapha STAMBOULI of Mascara, 29000 Mascara, Algeria.	ID #206 Title: Modeling, Characterization and Simulation of GaAs/Ge Single Junction Solar Cell using MATLAB M. HEBALI, M. BENNAOUM, H. A. AZZEDDINE, A. LARBAOUI, B. IBARI and D. E. CHAOUCH
12:30 pm 11	Mr. Abderraouf Hosni Marine Engineering (USTO-MB)	ID #239 Title: Supercritical Carbon dioxide Brayton re-compression cycle integrated with small modular reactor simulated on Aspen Hysys A. Hosni , B. Beladjine
12:45 pm 12	Mr. Md Salah Uddin Institute of Energy Engineering (IEE), Dhaka University of Engineering & Technology, Gazipur (DUET), Gazipur-1707, Bangladesh	ID #264 Title: Opportunities to Generate Energy from Waste in Bangladesh Khandoker Mostak Ahamed, Md Fardouse Alam, Molla Akidul Islam, Md Bahadur Hossain, Md Salah Uddin, Meraj Ahmed, Islam Mohammed Mahbubul
13:00 pm 13	Dr. Youcef Redjeb LGPDDPS Laboratory, National Polytechnic School of Constantine, Algeria	ID #277 Title: Parametric optimization of steam Rankine cycle as a technology for waste heat recovery from cement industries: a case study Youcef Redjeb, Kaabeche-Djerifi Khatima

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Poster session: Saturday 18th December 2021

[From 14:00 to 14:30 Algeria Time/ 19:00 to 19:30 BD Time]

Presenter	ID, Title, Authors, Goggle Meet link
1 Ayoub AGGOUNE University of Ouargla	ID #65 Title: The effect of a phase change material on a building roof on reducing the electricity consumption Ayoube Aggoune , Maamar Hamdani , Yacine Marif , Sidi Mohammed El Amine Bekkouche, Mohamed Kamal Cherier , Rachid Djeffal https://meet.google.com/wvu-ksmi-eot
2 Fatiha Zaghrat Bechar university	ID #101 Title: Robust Sliding Mode Control for Electric Vehicle F. Zaghrat, B. Gasbaoui, B. Bouchiba, IK. Bousserhane, I. Chaoui https://meet.google.com/agc-nqen-iff
3 Dr. Zouaoui BENAYAD Djillali liabes university of Sidi bel abbes, Algerie	ID #108 Title: Numerical investigation of the effect of fuel type on combustion and emissions in Direct Injection Engine Z. Benayad, H. Bousbaa https://meet.google.com/eko-ekas-vqk
4 Teguia Mohamed Salah UNIV BISKRA	ID #125 Title: Effect of the mass flow rate on moisture ratio of the dried orange slices in forced convection solar drying Foued Chabane, Ali Arif, Zouhair Aouissi, Djamel Bensahal, Noureddine Moumni and Abdehafid Brima https://meet.google.com/rgc-qxyy-opz
5 Sassia Boualem Mohamed Khider University of Biskra, Algeria	ID #133 Title: Energy management of grid connected pv-battery hybrid system fed through switched capacitor nine-level inverter with high gain voltage S. Boualem, O.Kraa, M.Benmeddour https://meet.google.com/ggh-zqjb-vuq
6 Dr. Walid Rezig University of Sciences and the Technology of Oran Mohamed Boudiaf	ID #191 Title: The importance of heat calcination for sewage sludge as biomass W. Rezig
7 Dr. Mahdi Benaouadj Kasdi Merbah University, Ouargla, Algeria	ID #211 Title: Energy Management of a "Fuel Cells / Photovoltaic Source / Batteries" Autonomous Hybrid System M. Benaouadj, D. Taibi, T. Amieur https://meet.google.com/gbx-bafp-qhs

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8	Dr. Chanane Abdallah Blida1 university	ID #216 Title: Optimal network sizing using enhanced IWO Algorithm for power loss minimization in radial distribution systems A. chanane https://meet.google.com/ptm-vttg-tgt
9	Dr. Hani Beltagy Mouloud MAMMERI University of Tizi-Ouzou, Algeria	ID #228 Title: Performance Analysis and experimental validation of a Linear Fresnel concentrator Hani Beltagy, Sofiane Mihoub , Noureddine Said https://meet.google.com/bvt-ffmq-xxn
10	Dr. Mohamed Miloudi APELEC Laboratory, AZUR University	ID #251 Title: Experimental characterization of magnetic materials for power energy transformer applications Mohamed Miloudi, Houcine Miloudi, Abdelkader Gourbi, Abdelber Bendaoud, Abdelkader Rami, Nassireddine Benhadda https://meet.google.com/bdu-qnho-mcj
11	Dr. Toufik Amieur University Larbi Tebessi, Tebessa, Algeria	ID #263 Title: Sliding Mode Control of two levels DC-DC Boost Converter T. Amieur, D. Taibi, M. Benaouadj, A. Lati https://meet.google.com/ycr-ghne-oog
12	Dr. Abba Faiza Mouloud Mammeri University	ID #288 Title: Multi-physics modelling of transient fields, and non destructive evaluation of electromagnetic actuators Faiza Abba , Abdelhakim Dafeur https://meet.google.com/qpz-cygs-cbk
13	Dr. Mankour Mohamed University of Relizane, Ahmed Zabana	ID #289 Title: Dynamic performance of an HVDC link against internal and external perturbations Mankour Mohamed https://meet.google.com/hyk-vuiq-kgf
14	Dr. Larouci Benyekhlef University Kasdi Merbah Ouargla, Algeria.	ID #292 Title: Solving the optimal power flow with SVC and under the valve-point loading effect using Cuckoo search algorithm Larouci Benyekhlef, Ayad Ahmed Nour El Islam, Sitayeb Abdelkader, Boudjella Houari https://meet.google.com/vba-adqt-iia

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