



International Conference on
**Challenges in Sustainable Development from
Energy & Environment Perspective**



(CSDEEP-2017)

March 24th – 25th, 2017 (Friday – Saturday)

Organized by

Madan Mohan Malaviya University of Technology Gorakhpur (U.P.), India

(Formerly Madan Mohan Malaviya Engineering College, Gorakhpur)

In Association with

Italian National Agency for New Technologies, Energy & Sustainable Economic Development, Trisaia, Italy

University Website

www.mmmut.ac.in

Conference Website

www.csdeep.mmmut.ac.in

Conference E-mail

csdeep2017@gmail.com

Programme Schedule

<i>March 24th, 2017 (Friday)</i>		
Programme	Time	
Registration and Welcome Tea / Coffee	0900 – 1000 Hrs.	
Inaugural Session	1000 – 1100 Hrs.	
Welcome and about Conference by Organizing Secretary Address by Hon'ble Vice Chancellor, MMMUT, Gorakhpur Address by ENEA's representative Release of Souvenir and Proceedings Address by Guest of Honour Address by Chief Guest Vote of Thanks		
Tea Break		1100 – 1130 Hrs.
Technical Session-I		1130 – 1300 Hrs.
Lunch		1300 – 1400 Hrs.
Technical Session-II		1400 – 1530 Hrs.
Tea Break	1530 - 1600 Hrs.	
Technical Session-III	1600 – 1730 Hrs.	
Poster Session Presentation – I	1730 – 1815 Hrs.	
Tea Break	1815 - 1830 Hrs.	
Cultural Program	1930 – 2030 Hrs.	
Dinner	2030 - 2130 Hrs.	
<i>March 25th, 2017 (Saturday)</i>		
Technical Session-IV	0900 – 1030 Hrs.	
Tea Break	1030 - 1100 Hrs.	
Technical Session-V	1100 – 1215 Hrs.	
Poster Session Presentation - II	1215 – 1300 Hrs.	
LUNCH	1300 - 1400 Hrs.	
Technical Session-VI	1400 – 1515 Hrs.	
Tea Break	1515 – 1530 Hrs.	
Valedictory Session	1530 – 1630 Hrs.	
Welcome by Organizing Secretary Invited Talk Presentation of conference report by Session Chairman Presentation of Best Paper / Poster award Address by ENEA's representative Address by Hon'ble Vice Chancellor, MMMUT Gorakhpur Vote of Thanks		
High Tea		1630 – 1700 Hrs.



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Technical Session Schedule

Day 1 March 24, 2017			
Technical Session- I (1130 - 1300 hrs.)		Theme-I : Bio Energy	
Session Chairman : Dr. V. K. Sharma, ENEA, Italy			
Rapporteur : Mr. Shekhar Yadav, MMMUT, Gorakhpur			
Venue : Multi Purpose Hall, MMMUT, Gorakhpur			
1130 Hrs.	<i>Invited Talk</i> : By Prof. Naveen Kumar, DTU, Delhi		
	Topic	Author(s) Name	Paper ID
1200 -1300 Hrs.	The Results of Industrial Exploitation of Periodic Downdraft Type Gasifier In Ukraine	Antoshchuk T.O., Zubenko V.I.	CSDEEP/2017/02
	Comparative Evaluation of Blended Bio-Coal Briquettes as Cooking Fuel Using the Laboratory Emissions Measuring System (LEMS)	C.N. Anyanwu, C.J. Animaoko, B.U. Agu and I.F. Okafor	CSDEEP/2017/05
	Parametric Analysis of Biomass Integrated Combined Cycle	Abhinav Anand Sinha and Ram Bilas Prasad	CSDEEP/2017/09
	A review on gasification of torrefied biomass	Rishikesh Kr. Singh, Arnab Sarkar, Jyoti Prasad Chakraborty	CSDEEP/2017/16
	A critical review on Barriers of Commercial power generation using biomass gasification gas: In Indian Perspective	Ravi Shankar Rai, Rohit Patel Manish Chandra Yadav	CSDEEP/2017/23
1300 Hrs.	LUNCH		
Day 1 March 24, 2017			
Technical Session-II (1400 - 1530 hrs.)		Theme-II: Solar and Wind Energy	
Session Chairman : Dr. Sunil Dhingra, TERI, New Delhi			
Rapporteur : Sh. R. B. Prasad, MMMUT, Gorakhpur			
Venue : Multi Purpose Hall, MMMUT, Gorakhpur			
1400 hrs.	<i>Invited Talk</i> : Dr. Vinod Kumar Sharma, Senior Scientist, ENEA, Italy		
1430 - 1530 Hrs.	Concrete slab solar collector- Anew Technology in Solar Water Heating System	Kumari Urvashi Tewari Prashant Saini	CSDEEP/2017/43
	Modelling and control of Wind Solar Hybrid System using Energy Storage System	Gyanendra Singh L.B. Prasad	CSDEEP/2017/72
	Direct Energy Transfer with Parallel Power Processing converter topology for High Efficiency Photovoltaic Systems	Malyaj Srivastava A.N. Tiwari	CSDEEP/2017/18
1530 Hrs.	Tea Break		

Day 1 March 24, 2017**Technical Session-III (1600 - 1730 hrs.)****Theme-III: Environment and Ecology**

Session Chairman : Prof. Naveen Kumar, DTU, Delhi

Rapporteur : Ms. Sunayna, MMMUT

Venue : Multi Purpose Hall, MMMUT, Gorakhpur

1600 Hrs. *Invited Talk : Dr. Donatella Barisano – ENEA, Italy*

	Topic	Author(s) Name	Paper ID
1630 -1730 Hrs.	Application of Artificial Neural Networks (ANN) in environment and Ecological systems	Sunayana, R.K. Shukla	CSDEEP/2017/39
	Noise Analysis of Commercial Areas in Deoria City and its Control for Sustainable Development	Sanu Kanu Baniya, A.K. Mishra	CSDEEP/2017/56
	Challenges in Mitigation of Geological Hazard Associated with Recent Earthquake in India	Pradeep Kr. Verma, Sana Zafar	CSDEEP/2017/42
	Biomass for heat and power in India: A transition from traditional to modern	Ravi Shankar Rai S.C. Jayswal	CSDEEP/2017/77
	Experimental Investigation of Evaporating Cooling System with Zeolite Dessicant Material	Vishal Kumar Chaubey, Khushboo Singh, Laxmikant Yadav	CSDEEP/2017/59

1730-1815 Hrs. **Poster Presentation - I****1815-1830 Hrs.** **Tea Break****Day 2 March 25, 2017****Technical Session-IV (0900 - 1030 hrs.) , Theme-IV Conventional Energy Systems and Regulation**

Session Chairman : Prof. Sanjay, NIT, Jamshedpur

Rapporteur : Sh. Laxmikant Yadav, MMMUT, Gorakhpur

Venue : Multi Purpose Hall, MMMUT, Gorakhpur

0900 Hrs. *Invited Talk : Ing. Giacinto Cornacchia, ENEA, Italy*

0930 - 1030 Hrs.	Energy and Exergy Investigations of Dual Pressure HRSG in Gas/ Steam Combined Cycle Power Plants	Meeta Sharma, Onkar Singh	CSDEEP/2017/11
	A Comparative Analysis of Short Term Electricity Price Forecasting Approach Using Hybrid Methodology	Shashi Pandey K.G. Upadhyay	CSDEEP/2017/66
	Prepaid billing Energy Meter Based On GSM Technology	Sumit Ranjan Priyadarshi, Sekhar Yadav	CSDEEP/2017/32
	Performance Analysis of Power Converter Topologies in Maximum Power Point Tracking of PV Arrays Under Partial Shading conditions	Abhishek Krishna Tripathi A.N. Tiwari	CSDEEP/2017/17

1030 Hrs. **Tea Break****Technical Session-V (1100 - 1215 hrs.)****Theme: Sustainable Development**

Session Chairman: Dr. Donatella Barisano, ENEA, Italy

Rapporteur: Dr. Sudhir K. Srivastav MMMUT

Venue : Multi Purpose Hall, MMMUT, Gorakhpur

1100 Hrs. *Invited Talk : By Prof. Sanjay, NIT, Jamshedpur*

1130 - 1215 Hrs.	Comparison Analysis of battery with Paper Battery for Renewable Energy Storage	Saurabh Kumar, Rajat Kumar Navdeep Singh	CSDEEP/2017/33
	Survey on Present Scenario and future prospect of Biomass energy in Uttar Pradesh, India	Saurabh Kumar, Ravi Yadav Navdeep Singh	CSDEEP/2017/29
	A Study on Thermal Performance of Box Type Solar Cooker	Mohan Kumar, Dheerendra Singh	CSDEEP/2017/53

1215-1300Hrs. **Poster Presentation - II****1300-1400Hrs.** **LUNCH**

Technical Session-VI (1400 - 1515 hrs.)		Theme: Control Systems in Energy	
Session Chairman: Dr. Antoshchuk T.O. ,IETNAS, Ukarine			
Rapporteur : Dr. S. C. Jayswal, MMMUT, Gorakhpur			
Venue : Multi Purpose Hall, MMMUT, Gorakhpur			
1400 Hrs.	<i>Invited Talk : By Sunil Dhingra, TERI University, New Delhi</i>		
1430-1515 Hrs.	Topic	Author(s) Name	Paper ID
	A Comparative Study of PWM Rectifier and Diode Rectifier fed SEPIC Converter for Wind Energy Conversion System	Rajat Kumar, Saurabh Kumar, Navdeep Singh	CSDEEP/2017/25
	Enhancement of Power Quality in Wind Connected Power Plant Using Unified Power Flow Controller	Sant Ranjan S.K. Srivastava	CSDEEP/2017/10
	Study of Zero Voltage Transition DC-DC Boost Converter used for Photovoltaic System	Sachin Chauhan, Ashok Kumar Pandey	CSDEEP/2017/08
1515-1530 Hrs.	TEA BREAK		
Valedictory Session (1530 - 1630 hrs.)			
Venue : Multi Purpose Hall, MMMUT, Gorakhpur			
1530 Hrs.	<i>Invited Talk: Mr. Giacobbe Braccio , ENEA, Italy</i>		
1630-1700 Hrs	High Tea		

Poster Presentation Schedule

Day-1: March 24, 2017			
Poster Presentation – I			
Venue: Multi Purpose Hall, MMMUT, Gorakhpur			
1530 - 1815 Hrs	Paper ID	Topic	Authors
	CSDEEP/2017/03	Solar Energy Generation and Challenges in India: A Review	Dr. Karunesh Kumar Tewari, L.B. Prasad
	CSDEEP/2017/20	A Comprehensive Study of Cool Roof Performance from Environmental Perspective: A Review	Surya Pratap Singh Ms. Sunayana
	CSDEEP/2017/31	Challenges of Portable Water and Solutions: A Review	Mahima Yadav Govind Pandey
CSDEEP/2017/38	Theoretical Study of Solar Powered Desiccant Wheel Air Conditioning System	Khusboo Singh Vishal Kumar Chaubey	
Day-2: March 25, 2017			
Poster Presentation - II [Day-2: March 25, 2017]			
Venue: Multi Purpose Hall, MMMUT, Gorakhpur			
1530 - 1815 Hrs	Paper ID	Paper Title	Authors
	CSDEEP/2017/52	Measurement of Frost depth and its Preventive Measures in Hilly Areas	Raghvendra Yadav Dr. A.K. Mishra
	CSDEEP/2017/55	Short Term Load Forecasting Using Computational Intelligence Methods	Shashi Pandey K.G. Upadhyay
	CSDEEP/2017/62	High Frequency Cascaded DC-AC Cycloconverter Topology based Photovoltaic System	Pranjal Saxena Navdeep Singh
	CSDEEP/2017/68	Sliding Mode Control of a DFIG based Wind Energy Conversion System	Anita Verma L.B. Prasad