

National Conference on

ENERGY AND ENVIRONMENT

16th and 17th September 2016

CODDISSIA Trade Fair Complex, Coimbatore

[Program schedule on 16.09.2016](#)

Time	Program		Faculty incharge	Scholar incharge
8.30 AM – 9.30 AM	Registration		Dr. P. Jegathambal Water Institute Karunya University	S. Sruthy & K. Neenu IIT Madras
9.30 AM – 10.30 AM	Inaugural Function	Chief guest yet to be decided	Dr. N. Ramsundaram Assistant Professor KCT, Coimbatore	D. Gokul & P. Balakrishnan IIT Madras
10.30 AM – 11.00 AM	Tea break			
Time	Program	Speaker	Topic	
11.00 AM – 11.45 AM	Plenary lecture 1	Dr. Remy Gourdon Professor, INSA Lyon, France	Innovative Solid Waste Management – International Perspectives	
11.45 AM – 12.30 PM	Plenary lecture 2	Dr. G.V. Subrahmaniam Former Advisor Ministry of Environment and Forests New Delhi	Environmental Policies for Industrial Pollution Control	
12.30 PM – 1.15 PM	Plenary lecture 3	Prof. N.K. Kishore IIT Kharagpur	On the Development of Hybrid Microgrid	
1.15 PM – 2.00 PM	Lunch			

Energy First day 16.09.16

Technical Session: 1 Energy Conservation and Nanotechnology Applications in Energy Time: 2.00 -4.30 PM

Chairman: Dr. S. Suja				
Time	Program	Speaker	Topic	
2.00 PM TO 2.30PM	Key note Speaker	Prof. Mahesh Kumar IIT Madras	Control and Integration of Renewable Energy Sources in Microgrid Systems	
2.30 PM – 4.30 PM		<u>Oral paper presentation</u>		
S.No.	Ref.no	Title	Institution	Authors
1	ENG-01-01	Roof top pv based giga watt (gw) capacity of power generation using India national highway.	Saveetha Univeristy , Thandalam, chennai	M. Venkateshkumar and Indumathi.R
2	ENG-01-02	Implementation of soft computing technique using wireless system for maximum power generation in horizontal axis wind turbine.	CIT, coimbatore.	Subashri M S and Dr. J. Devi shree
3	ENG-01-03	Solar pv array fed water pumping system using maximum power point tracking based on dual - carrier chaotic search algorithm	Dr Mahalingam College Of Engineering And Technology, Pollachi	Dr A. Senthilkumar and T. logeswaran
4	ENG-01-04	Impact of carbon emission in transmission pricing methods under constrained deregulated electricity market	K. S. Rangasamy College of Technology, Tiruchengode	T. R. Manikandan and Dr. T. Venkatesan
5	ENG-01-05	Experimental analysis of 500w standalone pv systems in 3 different regions of south India	PSG college of technology	Raguram Arjunan and Dr. I. Ashok kumar
6	ENG-01-06	Load priority scheduling algorithm based on renewable energy source availability	CIT, coimbatore.	M.L.Merlin Sajini and Dr. S. Suja
7	ENG-01-07	Web based monitoring of hybrid renewable energy system	CIT, coimbatore.	S.Kowsalyadevi and Dr. S. Suja
8	ENG-01-08	Smart bio signal monitoring based on iot	CIT, coimbatore.	Gunapriya.k and Dr. J. Devi shree
9	ENG-01-09	PMMA A suitable glare option in solar thermal applications	University of Rajasthan	Dr. Sunita Mahavar
End of First Day				

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Time	Program	Speaker	Topic
9.00 AM – 9.45 AM	Plenary lecture 1	Dr. Kalanithi Vairavamoorthy IWMI, Colombo, Sri Lanka	Urban Water Management in The Context of Smart City
9.45 AM – 10.30 AM	Plenary lecture 2	Dr. B. Sengupta Former Member Secretary, CPCB, India	Perspectives on Industrial Air Quality Control and Its Challenges
10.30 PM – 11.15 AM	Plenary lecture 3	Dr. Sukumar Mishra, IIT Delhi.	Grid integration issues of rooftop solar PV
11.15 AM – 11.30 AM	Coffee/Tea Break		

Energy Second day 17.09.16

Technical Session : 2 Energy Conservation and Nanotechnology Applications in Energy

Time:11:30 to 1:30 PM

Chairman: Dr. Sukumar Mishra, IIT Delhi.				
Time	Program	Speaker	Topic	
11.30 AM - 12.00 PM	Key note Speaker-1	Prof. Srinivas Reddy Mechanical Engineering, IIT Madras,	Concentrating solar power technology for sustainable energy generation	
12.00 PM- 12.30 PM	Key note Speaker-2	Prof. A. Vadivel Murugan Pondicherry University	Nanotechnology for sustained clean energy conservation and storage	
12.30 PM- 01.00 PM	Key note Speaker-3	Dr. Sundararajan J Additional Director CCAR, CPRI Bangalore	R& D initiatives for LED Technology in India	
1.00 PM -2.00PM	<u>Oral paper presentation</u>			
S. No.	Ref.no	Title	Institution	Authors
1	ENG-02-01	Experimental analysis of libv vapour absorption refrigeration system using exhaust energy and its cop improvement using al2O3 Nano fluid	NIT Calicut	Sreeraj S Babu and Shijo Thomas
2	ENG-02-02	Bioenergy standards and regulation	IIT Kharagpur	Dr. Padmavati Manchikanti
3	ENG-02-03	Experimental and computational fluid dynamics (CFD) analysis of hydrokinetic turbine	Kumaraguru College of Technology, Coimbatore	Jai Sandeep .S, Suresh .M and Jeeva .B
4	ENG-02-04	Carbon capturing using carbon nanotubes (CNT)	Tamil Nadu Agricultural University, Coimbatore	E. Juditha Suzanne and J. Sampathkumar
5	ENG-02-05	Influence of lift to drag ratio (l/d) on optimal aerodynamic performance study on vertical axis wind turbine	Kumaraguru College of Technology, Coimbatore	Mohan Kumar K, S. Sivakumar, and Dr. R. Manivel
6	ENG-02-06	Design and implementation of water purification and distribution system using graphene oxide and magnetic filtration	CIT, coimbatore.	K. Deepa and Dr. S. Suja
7	ENG-02-07	Studies on an energy efficient process with Solar Heating for mulberry silk rearing	Bannari Amman Institute Of Technology	Dr. Subrata das
1.30 PM –2.15PM	Lunch			

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[SMART city lectures on 17.09.2016](#)

Chairman Dr. K. Arunachalam Dean TCE, Madurai	Rapporteur Dr. S.D.Gorantiwar Professor College of Agricultural Engineering, Rahuri	Faculty incharge Dr. R. Saravanan, Associate Professor, CWR, Anna University	Scholar incharge P. Balakrishnan IIT Madras
Time	Program	Speaker	Topic
2.15 PM – 2.45 PM	Special lecture 1	Er. M. Madhuram City Engineer, Madurai Corporation	Environmental Consideration for SMART cities
2.45 PM – 3.15 PM	Special lecture 2	Dr. K Vijay Karthikeyan Commissioner of Coimbatore Coimbatore	Citizens - Responsibility towards creating SMART cities”.
3.15 PM – 3.45 PM	Special lecture 3	Er. Sana. Ratnavel SCEBA Consultancy Services Madurai	Performance Indicators for smart city
3.45 PM – 4.15 PM	Discussion on Smart city		
4.15 PM – 4.30 PM	Tea Break		
4.30 PM to 5.00 PM	Concluding session		
Chairman Dr. S. Mohan IIT Madras	Co-Chairman Dr. R. Sarathy IIT Madras	Rapporteur Er. Ponram Unicon Ltd	
5.00 PM – 5.30 PM	valedictory session		