

## Hall 2 – School Of Management (SOM) Seminar Room

Day 1, 9th Dec' 09			
	Manuscript no. MS#ICAER09	Title of the paper	Corresponding Author
<b>Renewable energy - I</b>			
<b>TS1 (11:30 to 13:00 h), 15 min per paper</b>	/079	A Comparison Of The Combustion Efficiencies Of Hydrogen And Hydrocarbon Fuels – A Second Law Approach	Saleel Ismail and Pramod S Mehta
	/051	Low Cost Integrated Collector Storage (ICS) Solar Water Heater For Rural Areas	N. M. Nahar
	/021	Performance Analysis Of Earth-Tunnel-Air-Heat-Exchanger For Summer Cooling	Vikas Bansal, Rohit Mishra, Ghanshyam Das Agarwal, Jyotirmay Mathur
	/086	Impact Of Different Glazing Systems On Cooling Load Of A Detached Residential Building At Bhubaneswar, INDIA	R. Sahoo and P Sahoo
	/043	An experimental study on alternative thermal storage medium for solar pond	S. C. Sharma and A. Tiwari
	/077	Effect of Steam Injection on Work Output and Carbon Dioxide Emissions for a Natural Gas Fired Combined Cycle Power Generation System	Ibrahim Alaefour and B.V. Reddy
<b>Renewable energy - II</b>			
<b>TS2 (14:00 TO 15:30 h) 15 min per papers</b>	/036	A Novel Design Of Octagonal Line Focusing Solar Collector	S V Jain, N M Bhatt, V J Lakhera
	/002	A Building Integrated Photovoltaic Airflow Window System	Himanshu Dehra
	/107	Uncertainty based design of isolated wind-battery power systems	Anindita Roy, S. B Kedare and S. Bandyopadhyay
	/101	Studies On Heat Transfer, Pressure Drop And Thermal Performance Characteristics Of Forced Circulation Solar Water Heating System With Helical And Left-Right Twisted Tapes	S.Jaisankar, K.N.Sheebab
	/070	Enhancement Of The Performance Of Conventional Solar Water Still By Applying Evaporative Condenser, Coupling With Flat Plate Collector & Front Wall Internal Reflector	Dr. Gajanan Parishwad. and S. P. Salve
	/040	CFD Simulation For Optimal Angle Of Attack Of A Wind Turbine Using Fluent	Umesh Kumar Seth, P. K. Nagarajan and Vishwaraj H.

**Power electronics and Other topics**

<b>TS3</b> <b>(17:00 to 18:30h),</b> <b>12.5 min per paper</b>	/106	Optimal Energy Flow by Newton Approach for Reduction of Operating Cost with Advanced Static VAR Compensators	B.Venkateswara Rao, Dr. G.V.Nagesh Kumar , M.Ramya Priya ,P.V.S.Sobhan
	/060	Power Electronics Converts Evolving Arc Welding Process into Green	Arun Kumar Paul
	/103	Single Phase Front-End Buck Rectifier With Regeneration Capabilities	Poonam Chaudhary, S.R. Ragaja and P. Sensarma
	I	Invited paper SG-I	
	II	Invited paper SG - II	
	III	Invited paper SG - III	
	IV	Invited paper SG - IV	

Day 2, 10th Dec' 09

	Manuscript no. MS#ICAER09	Title of the paper	Corresponding Author
<b>Fuel cell and Hydrogen energy</b>			
<b>TS4 (11:00 to 13:00 h), 13 min per paper</b>	/130	Numerical Study On Cold Start-Up Time Of Direct Methanol Fuel Cell	P Vasanth and Ajit Kumar Kolar
	/053	Prediction Of Hydrogen Gas Solubility In Ionic Liquids Using Quantum Chemical Methods	Tamal Banerjee
	/065	Role Of Membranes In S-I Thermo chemical Route For Hydrogen Production	Soumitra Kar,R C Bindal,S Prabhakar,P K Tewari and S Ramanathan
	/072	Hydrogen Storage in as deposited carbon and Crystalline Carbon Nano tubes at Low Temperature	K. N. Patil,, Aneesh Gangal,Sanjay M. Mahajani,C. S. Solanki
	/118	Enhancing Gas Phase Fischer-Tropsch Synthesis Catalyst Design	Debalina Dasgupta and Tomasz Wiltowski
	/082	Hydrogen absorption characteristics of Ti <sub>0.32</sub> Cr <sub>0.43</sub> V <sub>0.25</sub> and TiMn <sub>2</sub> composite alloys	K. Shashikala, Asheesh Kumar and C.G. S. Pillai
	/085	Supercritical Phase Fischer-Tropsch Synthesis - Inhibition Of Co <sub>2</sub> Selectivity For Enhanced Hydrocarbon Production	Kanchan Mondal, J. Benoit, D. M. Perry and T. S. Wiltowski
	/128	Photoactivity Of A <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> And A <sub>2</sub> TiO <sub>5</sub> (A=Nd, Cu) Type Titanates For Hydrogen Production By Water Splitting Reaction	Anuja Bokare, M. R. Pai, S. Police, A. M. Banerjee, A. A. Athawalea and S. R. Bharadwaj
	/005	Effect of Ionomer Content in anode and cathode catalyst layers on Direct Methanol Fuel Cell performance	Balaji Krishnamurthy

**Day 3, 11th Dec' 09**

	<b>Manuscript no. MS#ICAER09</b>	<b>Title of the paper</b>	<b>Corresponding Author</b>
<b>Renewable energy - III</b>			
<b>TS5 (10:15 to 12:45 h), 16 min per paper</b>	/062	Low Temperature Regenerator For 3 TR Solar Air Conditioner	M V Rane,Vivek Srivats, J R Mehta
	/050	Comparison Of Exergy And Energy Efficiency Of Truncated Pyramid Type Solar Cooker	Naveen Kumar
	/102	Empirical Methods for Estimating Wake Losses at Windfarms	G C Vineel,Christian Aalborg, Arungalai Anbarasu, Parag Vyas
	/129	Solar assisted vapour absorption cooling system using LiBr-H2O	S. Tejyan and N.S. Thakur
	/075	Flux Distribution Of 20m2 Fuzzy Focal Solar Parabolic Dish Concentrator	K. S. Reddy and Veershetty Gumtapure
	/052	System Simulation Of A Renewable Energy Scheme For A Zero-Carbon Village In Malaysia	A Qadir,EH Yap
	/027	Experimental Studies On Solar Cooker With Latent Heat Storage	V.V.R.L.S.Gangadhar,
	/020	Performance Evaluation Of Solar Tunnel Dryer For Grapes Drying	N. S. Rathore, N.L. Panwar and Bhawana Asnani
	/006	Thermal Performance Of Low Cost Plastic Collectors For Rural Applications	Prof. R.S. Mishra
<b>Other topics</b>			
<b>TS6 (14:00 TO 15:00 h), 12 min per paper</b>	/001	Review Of Energy Resources And Challenges Of Sudan: Past, Present And Future	Abdeen Mustafa Omer
	/039	Implementation of Classical Controllers for Input Current Shaping Using DC-DC Cuk Converter	M.G.Umamaheswari, G.Uma, S.Redline Vijitha, K.M.Vijayalakshmi
	/090	Liquid Desiccant Air Conditioning: A State Of The Art Review	Kishor Kulkarni, P.K.Sahoo and Manish Mishra
	/026	Estimation of Permeability Heterogeneity by Pressure Field Measurements during Water flooding	Nanji J. Hadia, Sushanta K. Mitra and Madhu Vinjamur
	/098	RuO2 supported meso-porous and micro porous molecular sieves catalysts: Preparation, Characterization and catalytic activity test for the reduction of NO by CO	Vilas Ravat, Preeti Aghalayam