

***ENERGY DAY -2010***  
***Saturday, April 3, 2010***

**Programme Schedule**

<b>08:30 AM</b>	Registration
<b>09:00 – 09:30 AM</b>	Welcome and Introduction
<b>09:30 – 10:45 AM</b>	Technical Session I – <b>Solar cell and Solar Thermal</b> (Chairperson: Dr. J. N. Roy, Vice-President, Solar Semiconductor Pvt. Ltd.)
<b>10:45 - 11:00 AM</b>	Tea
<b>11:00 AM - 12:15 PM</b>	Technical Session II– <b>Renewable Energy Systems and Alternative fuels</b> (Chairperson: Mr. Harshad Shrikrishna Nanal, IT - Consultant)
<b>12:15 –12:45PM</b>	Poster Session
<b>12:45 – 01:45 PM</b>	Lunch
<b>01:45 – 03:00 PM</b>	Technical Session III – <b>Applied Power Electronics and Electrical Machines to Energy System</b> (Chairperson: Dr. Ompal Singh, Secretary AERB, Director ITSD)
<b>03:00 – 03:15 PM</b>	Tea
<b>03:15 – 04:30 PM</b>	Technical Session IV– <b>(Others) Efficiency Improvement in Energy System</b> (Chairperson : Mr. Ajay Shirodkar, GM, Kirloskar Brothers Limited)
<b>04:30 – 06:00 PM</b>	Panel Discussion on “ <b>Energy Solutions for Rural India</b> ” <b>Moderator:</b> Prof. A. Ganesh, Dept. of Energy Science and Engineering <b>Panelists:</b> Prof. A. W. Date, Head, Centre for Technology Alternatives for Rural Areas Mr. Beau Lintereur, Vice President, Cummins Power Generation, Cummins Dr. Sameer Maithel, Director, Green Tech Knowledge Solutions Pvt. Ltd. Mr. Girish Sant, Founder, Prayas Energy Group
<b>06:00 – 06:10 PM</b>	Closing Ceremony

**Session I : Solar cell and solar thermal**

Venue: P.C. Saxena Auditorium

Time: 09:30 AM to 10:45 AM

Chairperson: Dr. J. N. Roy

<b>Sr. no.</b>	<b>Time</b>	<b>Name</b>	<b>Topic</b>
1	09:30 - 09:45	Pradeep Kumar Podal	Fabrication and Study of Inverted organic solar cells
2	09:45 -10:00	N V Rajesh Kumar M	Electrical Simulation of defects in thin film crystalline silicon solar cells
3	10:00 – 10:15	Robins Anto	Performance of water in glass evacuated tube collectors
4	10:15 – 10:30	Arun Menon Chandran	Modelling of solar radiation
5	10:30 - 10:45	Ch. Uma Maheshwar Rao	Characterization of Solar Cells for low level concentration

**Session II : Renewable Energy Systems and alternative fuels**

Venue: P.C. Saxena Auditorium

Time: 11:00 AM to 12:15 PM

Chairperson: Mr. Harshad Shrikrishna Nanal, IT - Consultant

<b>Sr. no.</b>	<b>Time</b>	<b>Name</b>	<b>Topic</b>
1	11:00 – 11:15	Ashwini Shejwalkar	Renewable based industrial polygeneration systems
2	11:15 – 11:30	Chandra Kumar Singh	Design and field implementation of renewable energy system
3	11:30 – 11:45	Prabhat Lakhera	Sustainability analysis of Jatropha as an alternative fuel
4	11:45 – 12:00	Amar Nath	Contact pressure distribution in polymer electrolyte fuel cell
5	12:00 - 12:15	Devendra Pareek	Production of fuel from plastic waste

**Session III : Applied Power Electronics and Electrical Machines to Energy System**

Venue: P.C. Saxena Auditorium

Time: 01:45 PM to 03:00 PM

Chairperson: Dr. Ompal Singh, Secretary AERB, Director ITSD

<b>Sr. no.</b>	<b>Time</b>	<b>Name</b>	<b>Topic</b>
1	01:45 – 02:00	Moningi Srivalli	Real time control in a virtual laboratory
2	02:00 -02:15	Suryasivaprakash Alapati	Transient analysis of doubly fed induction generator using coupled field circuit approach
3	02:15 – 02:30	Prejith E K	Application of one cycle control in shunt active power filter and inverter
4	02:30 – 02:45	Radhamohan Jena	Design and control of switched reluctance motor for electric vehicle application
5	02:45 – 03:00	Suman Mondal	Tidal in stream power generation

**Session IV : Others (Efficiency improvement in Energy system)**

Venue: P.C. Saxena Auditorium

Time: 03:15 PM to 04:30 PM

Chairperson: Mr. Ajay Shirodkar, GM, Kirloskar Brothers Limited

<b>Sr. no.</b>	<b>Time</b>	<b>Name</b>	<b>Topic</b>
1	03:15 – 03:30	K N Patil	Kinetic studies for the Synthesis of Carbon Nanotubes from acetylene: experimental and modelling
2	03:30 – 03:45	Neeraj C. Hanumante	Experimentation and Numerical Investigation of Critical Heat Flux under Oscillatory flow condition
3	03:45 – 04:00	Agneev Mukherjee	Simulation of external fuel reforming for fuel cell applications
4	04:00 – 04:15	Joel George	Simultaneous Energy and Water Minimization
5	04:15 – 04:30	Sandeep Verma	Development of Design Advisor for Energy Efficient Building