

**International Symposium on Photovoltaic Science and Technology,
Venue: Outreach Center Auditorium, IIT Kanpur (Near V.H.)
13th Jan 2010**

Program Schedule

Registration: 6:00 PM, 12 Jan 2010 – 0845 AM, 13 Jan 2010

Time	Speakers & Affiliation	Title/Event
9:00AM	Mr Deepak Gupta, Secretary, Ministry of New and Renewable Energy, Govt. of India	Inauguration: Symposium
10:00 AM	Prof Ajit Rohtagi, Founder and CTO, Suniva Inc.,Atlanta, GA,USA, And Regent's Professor, Georgia Institute of Technology, Atlanta, GA, USA	Key Note: Road to Cost Effective Silicon PV to Attain Grid Parity
10:45:00 AM	Prof Vikram Dalal, Dept. of Electrical and Computer Engr., Iowa State University, Ames, Iowa 50011, USA	Key Note: Research Needs in Thin Film Photovoltaic Technology: An Overview
11:30 AM	Prof Harsh Sehgal, Vice Chancellor, CSJM University, Kanpur	Inauguration: Exhibition of Solar and related Products
11:45 AM	TEA and	*Poster Paper Presentation
12:00 Noon	Mr Deepak Gupta, Secretary, MNRE, Govt. of India Prof. Richard McCullough, MCU,USA Dr Rajeshwaran, CTO, Moser Baer Prof. KL Chopra, Ex-Director, IITKhg Mr Rajinder Kaura, Bergen Associates Pvt Ltd Prof V. Dalal, Iowa State Uni, USA Mr K Subramanya, CEO Tata BP Solar, Mr Prashanth S, MD, HHV Solar	Panel Discussion: PV Technologies beyond Silicon - Polymer, Hybrid, Mutli-junctions, CIGS or ...
13:00 PM	LUNCH and	*Poster Paper Presentation (Continued)
14:00 PM	Prof Richard D. McCullough, Carnegie Mellon University, 5000 Forbes Ave. Pittsburgh, PA	Key Note: Printable Solar Cells: Power to the People at a Very Low Cost
14:50 PM	Dr KV Bhaskar Rao, Director, DMSRDE, Kanpur	Invited: Synthesis of Organic Materials for Polymer Solar Cells
15:10 PM	Prof Viresh Dutta, IIT Delhi Photovoltaic Lab., Centre for Energy	Invited: Dye Sensitised Solar Cells (DSSC) : An Indian Perspective

Studies, Indian Institute of Technology Delhi

15:30 PM	Dr Arun Kumar Tripathi, Director, Ministry of New and Renewable Energy, Govt. of India	Invited: Solar Cities Program of MNRE
15:45 PM	TEA	
16:00PM	Dr Pran Kishan, Institute of Defence Scientists & Technologists, New Delhi	Invited: Solar Energy for Military Applications
16:15 PM	Dr. Ratheesh Kumar P M, HHV Solar Bangalore	Invited: India's first a-Si Photovoltaic solar module production Line
16:30 PM	Prof Pratima Agarwal, IIT Guwahati	Invited: Amorphous to nano-crystalline transition of hydrogenated silicon films: Effect of silane flow rate
16:45 PM	Miss Silika Mahapatra, BHEL, Bangalore	Invited Challenges for manufacture of PV Modules suitable for Saline Environment
17:00 PM	Prof Vijay Kumar, CUSAT, Cochin	Invited: Third Generation Solar Cells: Development of Materials and Devices Using Chemical Methodology

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*List of Poster Paper Presentation

Type	Title	Speaker and Affiliation
Poster	An effect of N ⁺ ion irradiation on the properties of CdTe thin films	S.Shanmugan*, D.Mutharasu [†] , S.Balaji, and N.Sankarasubramanian, *Thiagarajar College of Engineering, Madurai, [†] School of Physics, Universiti Sains Malaysia
Poster	Structural and Morphological properties of Ag doped CdTe thin films prepared by Stacked Elemental Layer method	S.Shanmugan*, D.Mutharasu [†] , S.Balaji, and P.Rajamohan, *Thiagarajar College of Engineering, Madurai, [†] School of Physics, Universiti Sains Malaysia
Poster	Estimation of Global Solar Irradiance using Regression Model for Jodhpur, India	M. Rizwan ^{1*} , Majid Jamil ² , D. P. Kothari ³ and Kimmi Verma ⁴ , ^{1,2} Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, ³ VIT University, Vellore, Tamilnadu, ⁴ Department of Electronics Engineering, KCC Institute of Technology & Management, Greater Noida (U.P.) India
Poster	Photovoltaic Energy Conversion System for Water Pumping Applications – Modeling and Simulation	B.Chitti Babu, R. Sudharshan Kaarthik, Nayan Kumar Dalei, R.Vigneshwaran, Rabi Narayan Das, Department of Electrical Engineering, National Institute of Technology, Rourkela
Poster	Efficient Energy Conversion Techniques Using Fiber Optics and Monochromatic Light	M.Balaraman, S. Moulidharan, K.S.Rangasamy College of Technology Tiruchengodu, Tamilnadu,
Poster	Investigation of Polarization Induced Effects for Efficient InGaN Solar Cells	Jai Verma, Yanjun Wang, Vladimir Protasenko, Debdeep Jena <i>University of Notre Dame, Notre Dame, USA</i>
Poster	Virtual fabrication and Analysis of Bulk Heterojunction Organic Solar Cell	Prabhat Kumar and R S Anand, Department of Electrical Engineering, IIT Kanpur
Poster	Development of Optimized Solar Photovoltaic based Solid-state Lighting System for Rural and Tribal Areas	Phool Singh Chauhan, Department of Chemical Engineering, IIT Kanpur
Poster	Study of the effect of sheet resistance, morphology of R.F sputtered ITO thin films on device characteristics	Ram Narayan Chauhan ^{1*} , R. S. Anand ² , Jitendra Kumar ¹ , ¹ Materials Science Programme, ² Department of Electrical Engineering, Indian Institute of Technology Kanpur

