

27 th March	28 th March	29 th March
08:00 A.M. - Registration	Session Chair : Prof. B.M. Arora, TIFR	Session Chair : Prof. K.L. Narsimhan, TIFR
09:00 A.M. - Inauguration of Conference	Key Note Address	Key Note Address
-Felicitation of Prof. K. L. Chopra and Prof. A. K. Barua	09:00 A.M. - Superlattice Solar Cells by Prof. Vikram L. Dalal, Iowa State University, USA	09:00 A.M. - Recent Advances in Si Solar Cells: Device Design and Processing by Dr. Bhushan L. Sopori, NREL, Golden, CO, USA
10:00 A.M. - Key Note Address	09:50 A.M. - PV Solar Electricity by Dr. Winfried Hoffmann, CTO, Solar Business Group, Applied Materials, Inc	09:50 A.M. - Polymer-Fullerene Blend Morphology and its Effect on Polymer Solar Cell Efficiency by Prof. Harald Hoppe, Technische Universitat Ilmenau, Germany
Future Technology Pathways of Terrestrial III-V Multijunction Solar Cells for Concentrator Photovoltaic Systems by Dr. Daniel C. Law, Spectrolab Inc., Sylmar, CA, USA	10:40 A.M. - Session Tea	10:40 A.M. - Session Tea
10:50 A.M. - Inauguration of the Exhibition	Session Chair : Prof Jitender Kumar, IIT Kanpur	Session Chair: Prof. S. Kar, EE, IIT Kanpur
11:10 A.M. - Hi Tea	Plenary Lecture	Plenary Lecture
11:30 A.M. - Panel Discussion on "Strategies for Photovoltaic in India"	11:00 A.M. - Microcrystalline Silicon Solar Photovoltaic (PV) Scalable Manufacturable Technology for the Mass Market by Dr. Rajeeva Lahri, President, CEO, Signet Solar	11:00 P.M. - Photo-degradation of Amorphous Silicon based Solar Cells containing Nanocrystalline Silicon by Prof. S.C. Agarwal, IIT Kanpur
01:00 P.M. - Lunch	11:30 A.M. - Industrialization of Amorphous Silicon Based Solar Modules: Challenges and Opportunities by Dr. Rajeeva Arya, Senior Vice President & CTO (Thin Film) ,Moserbaer PhotoVoltaic Ltd, Greater Noida, India	11:30 A.M. - Benefits of Optimal Etch Process on Silicon Solar Cells by Mr. Bikash Kumar, Tata BP Solar India Ltd
Session Chair: Prof. K.L.Chopra	12:00 P.M. - BOS in SPV Systems – An Overview by Prof. Hiranmay Saha, Jadavpur University, Kolkata	12:00 P.M. - Flexible Photovoltaics for Developing Countries by Prof. Satyendra Kumar, IIT Kanpur
Plenary Lecture	12:30 P.M. - The structural and material properties of CuInSe ₂ and Cu(In,Ga)Se ₂ prepared by selenization of stacks of metal and compound precursors by Se vapor for solar cell applications by Dr. Francis Birhanu Dejene, University of the Free State, South Africa	12:30 P.M. - Polymer Solar Cells – Progress and Goals by Dr. Suresh Chandra, NPL, New Delhi
02:00 P.M. - Silicon based thin film solar cell: physics, materials and fabrication technology by Prof. A. K. Barua, IACS, Kolkata	01:00 P.M. - Lunch	01:00 P.M. - Lunch
02:30 P.M. - Marketing Opportunities of Photovolta Technology by Mr. K. Subramanya, CEO, Tata BP Solar	02:00 P.M. - Poster Presentations	Emerging Technologies: (II) Polymer, Nano based Cells
03:00 P.M. - Role of Technology in Industrialization of Photovoltaic by Mr. Ravi Khanna, CEO, Moserbaer PV Ltd	Thin Film/Quantum Dot Solar Cell (I)	Session Chair: Dr. Utpal Das, IIT Kanpur
Solar Panel and Application	Session Chair : Prof. G.N. Mathur, IIT Kanpur	02:00 P.M. - Nanostructured Carbon Materials – Synthesis and their application in Energy Conversion Devices by Dr. Kanik Ram, DMSRDE, Kanpur
03:30 P.M. - Photovoltaic effect in obliquely deposited semiconductor films by Dr. S. N. Singh, NPL, New Delhi	03:00 P.M. - Growth of Si-QD in SiN Dielectric Matrix by Prof. Chetan S. Solanki, Energy Systems, Engineering Group, Indian Institute of Technology Bombay	02:20 P.M. - Techniques to Improve the Efficiency of Photovoltaic System by Dr. Arvind Kumar, IIT Kanpur
03:50 P.M. - Road Map of PV in India by Dr. B. Bhargava, Director, Photovoltaics, MNRE, New Delhi	03:20 P.M. - Studies on the temperature dependence of current – voltage characteristics of Cu (In, Ga) Se ₂ solar cells by Mrs. Asha Rao, Mangalore Institute of Technology and Engineering, Moodabidri	02:40 P.M. - Hybrid Semiconductor Nanocrystals/Polymer Solar cell by Dr. Santosh K. Tripathi, DMSRDE, Kanpur
04:10 P.M. - Session Tea	03:35 P.M. - Electrical properties of CdTe Sintered films for photovoltaic applications by Dr. Vipin Kumar, Krishna Institute of Engg. & Technology, Ghaziabad	03:00 P.M. - Intellectual Property Rights Based Solar Photovoltaic System Design for Telecom and Rural Application by Mr. T.Usmani, ITI Ltd. Naini, Allahabad
Session Chair: Prof Vikram Kumar, Director, NPL	03:50 P.M. - Current transport properties of CdTe / CdS Solar Cells by Mr. Manjunatha Pattabi, Mangalore University	03:20 P.M. - Performance Enhancement of mc-Si Solar Cells due to Synergetic Effect of Plasma Texturization and SiNx:H AR Coating by Dr.B.Prasad, BHEL, New Delhi
04:30 P.M. - Advances in Solar Arrays of ISRO space programs by Dr. Anil Agarwal, ISRO Satellite Centre, Bangalore	04:05 P.M. - Session Tea	03:40 P.M. - Estimation of Solar Irradiance for PV- ECS based Distributed Power Generation by Mr. M. Rizwan, G.L. Bajaj Institute of Technology & Management
04:50 P.M. - Informal Electricity Markets and Solar PV Applications: A Case Study for Urban India by Prof. Anoop Singh, IIT Kanpur	Solar Cell Manufacturing	03:55 P.M. - Review of Safety and Protection for Grid connected Photovoltaic System by Mr. M. Goudar/ Mr. B. Patil, Maharashtra Academy of Engineering
05:10 P.M. - Photoelectrochemical Solar Hydrogen Generation: Emerging Trends by Dr. Sahab Dass, Dayalbagh Educational Institute, Agra	Session Chair : Dr. Bibek Bandyopadhyay, Solar Energy Centre, MNRE	04:10 P.M. - Session Tea
05:30 P.M. - Fabrication of higher wattage Photovoltaic modules for large arrays by Mr. Ravi Shanmugam, BHEL, Bangalore	04:25 P.M. - Large Area Amorphous Silicon Solar Modules Manufacturing Line –System Design and Assembly by Dr. K. Mohanachandran Hind High Vacuum Co Pvt Ltd, Bangalore	Thin Film/Quantum Dot Solar Cell (II)
05:45 P.M. - An evolution of Solar Lantern Technology by Dr. Rajesh Kumar, Solar Energy Centre, MNRE	04:45 P.M. - Effect of nitrogen ambient on processing of laser fired solar cells by Dr. S. Bhattacharya / Mr. B..Prasad, BHEL, New Delhi	Session Chair: Prof S. S. Manoharan, IIT Kanpur
Emerging Technologies: (I) Polymer, Nano based Cells	05:05 P.M. - Development of Solar laminates for Building Integrated Photovoltaics by Dr. N. Singh, BHEL, New Delhi	04:30 P.M. - Photoelectrical Energy conversion via Dye -sensitized Solar cell based on Sulphonated Iron (II) Phthalocyanine by Dr. M. S. Roy, Jodhpur
Session Chair: Dr. Rajeeva Arya, Sr. Vice President & CTO (Thin Film), MPBV	05:30 P.M. - Solar Working Model Contest	04:50 P.M. - Effect of exciton blocking layer on the performance of CuPc/C ₆₀ photovoltaic devices by Mr. Pankaj Kumar, NPL, New Delhi
06:00 P.M. - Organic bulk hetero-junction photovoltaic devices based on polymersmall molecules and hybrid system by Dr. G. D. Sharma, Jai Narain Vyas University, Jodhpur	08:00 P.M. - Dinner	05:10 P.M. - Valedictory Address by Prof K.L.Chopra and Prize Distribution
06:20 P.M. - Fill Factor in Organic Solar Cells by Dr. K. S. Narayan, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore		08:00 P.M. - Dinner
06:40 P.M. - Performance of porous silicon as antireflection coating on textured mono and multicrystalline silicon solar cells by Dr. S. K. Srivastava, NPL		
08:00 P.M. - Banquet at VFA Lawns		