

Wednesday, March 29, 2017 (Day 3)

Time	
Technical Session- 1 Session Chair	
09:00-09:25 AM	Invited Speaker - Prof. H. Saha) Evolution of Silicon solar Cells : Past History and Present Trend
Technical Session- 2 Session Chair	
09:30-09:45 AM	Dr. Kulvinder Singh X-Ray Switching In Commercial Grade Solar Panel
09:45-10:00 AM	Eng. Makawi Diab Hraiz Evaluating the performance of the PV-Modules available in Palestinian market
10:00-10:15 AM	Mr. Bernardo Tandang Caringal Transforming Commitments into Action - DOST MIMAROPA, Philippines Experiences on Solar Power Generation and Energy Harvesting
10:15-10:30 AM	Dr. D. S. M. De Silva Fabrication of CdS/CdTe Thin Film Solar Cells via the Technique of Electro-deposition
10:30-10:45 AM	Ms. Sophie Tshimangadzo Mulaudzi An overview of solar energy landscape, solar radiation and solar cells studies in Limpopo province of South Africa
10:45-11:00 AM	Mr. Ahmed Mmingwa The Solar Resource
11:00-11:30 AM	HIGH TEA
Technical Session- 3 Session Chair	
11:30-11:45 AM	Dr. Komi Apéléké AMOU Simulation and Prediction of the Power Output for Photovoltaic Systems
11:45-12:00 PM	Dr. Abhishek Kardam Rapid Thermal charging properties of Nanomaterials embedded PCM composites for Solar thermal energy storage applications
12:00-12:15 PM	Mr. Nchimunya Mwiinga Sigmoid Characteristics of Static Resistance – Voltage Curves for Diodes and Solar Cells under Dark Conditions: Theory, Simulation & Experiment
12:15-12:30 PM	Mr. Everson Bhunu Trends in Solar Power Generation and Energy Harvesting in Zimbabwe
12:30-12:45 PM	Mr. Ganesan Subramanian, Ms.Arumugaselvi Murugan Internet of Things (IOT) Based Solar Panel Monitoring System for Higher Efficiency
12:45-01:00 PM	Dr. Alok Kumar Rai High Rate Capability and Long Cycle Stability of Mixed Transition Metal Oxides as an Anode Material for High-Performance Lithium Ion Batteries
01:00-02:00 PM	LUNCH

Technical Session- 4 Session Chair	
02:00-02:15 PM	Ms. Preetha Sreekumar Review of Control Strategies used in Interfacing Solar Power Generation Units to the Grid
02:15-02:30 PM	Mr. Sultan Ali Javid The Status of Solar Power Generation in Afghanistan
02:30-02:45 PM	Dr. Essam Tawfik Mohamed Elshenawy Effect of Partial Shading on the PV Module Output
02:45-03:00 PM	Prof. Ismail Mekkaoui Alaoui On Morocco's Renewable Energy after COP 22.
03:00-03:15 PM	Mr. Row Vattanak Solar Photovoltaic Energy in Cambodia "An Opportunity with Obstacles"
03:15-03:30 PM	Mr. David Provenzani Dubai Solar Schools Initiative, A Project to Provide Solar Energy to Schools & Universities in Dubai
03:30-03:45 PM	Dr. Gholamreza Farahani Effects of Partial Shading on MPPT of PV System
03:45-04:00 PM	Assoc. Prof. Alp Osman Quantitative Analysis Of Commercial Photovoltaic Solar Cells And Modules With Electroluminescence
04:00-05:00 PM	CONCLUDING CEREMONY
5:00-5:30 PM	HIGH TEA

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INTERNATIONAL WORKSHOP

ON

Trends in Solar Power Generation and Energy Harvesting



27th – 29th March 2017
Amity University UP, Dubai Campus
DUBAI, UAE

Jointly Organized By

Amity Institute for Advanced Research and Studies
(Materials & Devices)

&

Centre for Science and Technology of the
Non-Aligned and Other Developing Countries
(NAM S&T Centre)



Monday, March 27, 2017 (Day 1)

TIME	
09:00-10:00 AM	Registration
10:00-11:00 AM	Inauguration (Venue: Auditorium, Amity University – Dubai Campus)
11:00-11:30 AM	HIGH TEA
Technical Session- 1 Session Chair	
11:30-11:55 AM	Invited Speaker - Prof. Vikram Kumar Photovoltaic Research – an Indian Perspective
11:55-12:20 PM	Invited Speaker - Prof. Trystan Watson Third generation solar cells from laboratory to factory; developing a scale-up route for perovskite solar cells to turn buildings into powerstations
12:20-12:45 PM	Invited Speaker - Prof. V. K. Jain Recent Trends in Solar Energy Generation and Harvesting
12:45-01:10 PM	Invited Speaker - Prof. C. S. Solanki Advances in crystalline silicon solar cells
01:10-02:10 PM	LUNCH
Technical Session- 2 Session Chair	
02:15-02:40 PM	Invited Speaker - Dr. R. K. Kotnala Hydroelectric Cell Invention : A Boon for Green Energy & Environment
02:40-02:55 PM	Mr. Ashok Thangavelu Net Metered Solar Rooftop Schemes - An overview
02:55-03:10 PM	Mr. DawaPenjor Trends in Solar Power Generation and Energy Harvesting in Bhutan
03:10-03:25 PM	Mr. Ronnie Phuthego Development of An All-in-one Solar Thermal Collectors and Systems Testing Facility for Water Heating, Room Heating and Industrial Applications
03:25-03:40 PM	Mr. KeoagileMogorosi Review of Renewable Hydrogen from Electrolysis for Fuel Cell Application
03:40-03:55 PM	Mr. Stefan Muckstein Solar Power for Temporary Off-Grid Use
04:00-04:30 PM	HIGH TEA
Technical Session- 3 Session Chair	
04:30-04:55 PM	Invited Speaker - Prof. P. K. Bhatnagar Organic Solar Cells - Recent Developments – a Brief Review
04:55-05:10 PM	Prof. José Luis Pérez González Cuban's Trends in Solar Power Generation and Energy Harvesting
05:10-05:25 PM	Invited Speaker - Prof. Mridula Gupta Recent Trends in Energy Saving Environmental Friendly OLEDs

05:25-05:40 PM	Mr. Claudio Palmieri The Importance of Provision of Construction Financing in Solar Industry
05:40-05:55 PM	Dr. Rakhi Grover Dye Sensitized Solar Cells: Role of Dyes and Electrolytes
06:00-06:30 PM	Group Discussion
06:30-07:00 PM	Visit to Amity University Dubai Campus

Tuesday, March 28, 2017 (Day 2)

TIME	
Technical Session- 1 Session Chair	
09:00-09:25 AM	Invited Speaker - Prof. Dave Worsley Active Buildings; the use of solar active facades for generation storage and release of energy
09:25-09:50 AM	Invited Speaker - Prof. A. Subramanyam Recent trends and challenges in the third and fourth generation Thin film Photovoltaics
09:50-10:15 AM	Invited Speaker - Prof. V. Dutta Photovoltaic based DC Microgrids and AC Microgrids using Hydrogen Storage System
10:15-10:40 AM	Invited Speaker - Prof. R. Bhattacharya Self-cleaning of Solar panels
10:45-11:15 AM	HIGH TEA
Technical Session- 2 Session Chair	
11:15-11:30 AM	Mr. Lamin Morikebba Jarju Policies, Programmes and Current Status on Solar Power Generation in the Gambia
11:30-11:45 AM	Mr. Vineet Saini Advance Research in Photovoltaic Thermal System: A Review
11:45-12:00 PM	Ms. Meenu Galyan Current status of Solar Power in India
12:00-12:15 PM	Dr. Arya Rezavidi Evaluation of Operation of Independent Power Producer (IPP) 5 MWP Photovoltaic Power Generator in Kupang, East Nusa Tenggara, Indonesia
12:15-12:30 PM	Dr. Subramanyam Ganumukkala Energy Audit of 5 MW Solar power Plant – A case study
12:30-12:45 PM	Prof. Subhra Das Overview of Risk Assessment in Solar PV Power Plant

12:45-01:00 PM	Dr. Abhishek Verma Novel Thermal Cooling Layer to Enhance the Efficiency of the Solar Panel
01:00-02:00 PM	LUNCH

Technical Session- 3 Session Chair	Session I	Session II
02:00-02:25 PM	Invited Speaker - Prof. R. M. Mehra Stable, highly efficient and low cost Perovskite Solar Cells	
02:25-02:40 PM	Dr. O. P. Sinha Organic- Inorganic Quantum Dots Hybrid Nanostructures for Solar Energy Harvesting	Dr. Shashank Khurana Design and Performance Study of a Solar Operated Aqua Ammonia Absorption Refrigeration System
02:40-02:55 PM	Dr. Falah Ibrahim Mustafa Al-Attar The Future of Solar Energy Investment in Iraq	Mr. Abraham Samuel Architectural insights on passive strategies towards optimum Solar Designs
02:55-03:10 PM	Mr. Mohd Fauzi Ismail A Review on Solar Thermal Technologies for Low and Medium Temperature Industrial Process Heat	Dr. Ayana Bhaduri Review on Inorganic Organic Hybrid Solar Cell "or" Review on Nanocrystalline Silicon Germanium for Solar Cell Material
03:10-03:25 PM	Dr. Zaw Min Naing Development of Solar Energy Technology in Myanmar	Dr. Sanjeev Sharma Aerodynamic Design & Development of Solar Car
03:25-03:40 PM	Prof. Jiba Raj Pokharel Chemical Storage of Solar Energy through the Use of Slaked Lime	Dr. Rajiv Selvam Design and Fabrication of Solar Powered Automotive Air Condition's Refrigeration System
03:40-03:55 PM	Mr. Vishwamitra Oree Solar Energy Harvesting in Mauritius: Opportunities and Challenges	Dr. Swaroop R Comparison of PV Technologies and Forecasting PV Power Generation using Artificial Neural Networks
03:55-04:10 PM	Mr. Anoob Babu Utility-Scale Solar PV and Demand Side Based Integrated Solar PV	Mr. Ganesan Subramanian Internet of Things (IOT) Based Solar Panel Monitoring System for Higher Efficiency
04:10-04:25 PM	Engr. Muhammed Musa Gaji Sustainable Renewable Energy Possibility for Nigeria as the Way Forward	
04:30-05:00 PM	HIGH TEA & POSTER SESSION	
05:00-05:30 PM	POSTER SESSIONS	
06:30-10:30 PM	Dhow Cruise Dinner at Dubai Marina	