Workshop on Emerging Materials for Thin Film Solar Cells
Poster Sessions

Blue: Presents on Monday, August 8 at 3:30pm
Black: Presents on Tuesday, August 8 at 4:30pm
Posters should be portrait style, 36 inches x 48 inches (91cm by 122cm)

Airodi Venkataramana, Radhan — UC Davis
No Poster Title

Anshebo, Teketel Yohannes — Addis Ababa University
Conducting Polymer Based Photoelectrochemical Solar Energy Conversion

Anwar, Farhana — University of Texas El Paso
No Poster Title

Arroyo-Ramírez , Lisandra — University of Puerto Rico
Synthesis and Characterization of Palladium Nanostructures for Oxygen Reduction Reaction

Benson, James — University of Texas at San Antonio
Capturing the potential of solar energy

Berruet, Mariana — INTEMA-Universidad Nacional de Mar del Plata. ARGENTINA
Cost-effective solar cells containing copper indium chalcogenides prepared by SILAR method

Brennan, Thomas — Stanford University
Recombination Barrier Layers Deposited Via Atomic Layer Deposition in Solid-State Dye-Sensitized Solar Cells

Bruner, Christopher — Stanford University
The Cohesion of Organic Bulk Heterojunction Solar Cells: Understanding the thermomechanical properties of bulk heterojunction solar cells which include adhesive and cohesive properties of the interfaces and layers will aid in the development of greater device stability and reliability

Burgos, Juan — Texas A&M Univeristy
Encapsulation of Catalyst Nanoparticles during Growth of Single-walled Carbon Nanotubes

Dantanarayana, Varuni — UC Davis
Molecular Dynamics simulations of polymer/fullerene bulk heterojunctions for photovoltaic applications

Dupont, Stephanie — Stanford University
Adhesion and Thermomechanical Reliability of Inverted Roll-To-Roll Polymer Solar Cells;

Etchart, Isabelle — University of Cambridge
Upconversion Materials for Photovoltaic Applications

Gautam, Surendra — Tribhuvan University
Effect of dilution and precursors on structure and particle size of zinc sulphide nanoparticles

Greaney, Matthew — University of Southern California
Importance of the Organic/Inorganic Interface in Hybrid Solar Cells

Guo, Lian — IBM TJ Watson Research Center
Not Presenting

Guo, Changhe — Pennsylvania State University
Analysis of Structure Formation in polythiophene/fullerene Mixtures Using Resonant Soft X-ray Scattering

Gupta, Nalini — UC Santa Barbara
No Poster Title

Hellman, Christoph — Imperial College London
No Poster Title

Herron, Steven — Stanford University
Chemical Bath Deposition and Microstructuring of SnS Photovoltaic Absorbers

Hiszpanksi, Anna — Princeton University
Effects of hexabenzocoronene fluorination towards the design of electron acceptors

Irwin, Michael — University of Texas El Paso
No Poster Title

Kaveh, Shakiba — University of Cambridge
Near-Infrared quantum cutting phenomena will be demonstrated in Y3Al5O12 (YAG) co-doped with cerium and other rare earth elements such as (Tb3+; Tm3+; Pr3+).

Kola, Srinivas — Johns Hopkins University
Pyromellitic Dimide-Based Polymers for Bulk-Heterojunction Solar Cells

Kroon, Renee — Chalmers University
New quinoxaline and pyridopyrazine-based polymers for solution processable photovoltaics

Kumar, Avishek — Solar Energy Research Institute of Singapore
Impact of rapid thermal annealing and hydrogenation on the doping concentration and carrier mobility in solid phase crystallized poly-Si thin films

Lu, Gang — California State University Northridge
Theoretical Study of Organic Solar Cells

Martinez-De la Hoz, Julibeth — Texas A&M University
Effect of metallic surface confinement on the dissociation of O2 and NO2

Princeton University
Mativetsky, Jeffrey
Highly conducting polymers for solar cell applications

Mehra, Saahil — Stanford University
The development of efficient back reflector light- trapping methods for long wavelength photons

Menkir, Abeje — Addis Ababa University
Not presenting a poster.

Mirelman, Liza — University of Cambridge
PEO Coatings on Pure Titanium Plates and Meshes for Photoactive Applications

Mirfakhrai, Tissaphern — Stanford University
Degradation Mechanisms and Lifetime of solar cell Encapsulants

Mor, Gopal — Pennsylvania State University
Influence of interfacial layers on the performance of bulk-heterojunction solar cells

Noriega, Rodrigo — Stanford University
Structural Characterization and Effect of Impurities and Defects in Ga Doped ZnO Nanostructures

Novoa, Fernando — Stanford University
Degradation Mechanisms and Lifetime of Barrier Films and Encapsulants

Nunez, Jose — University of Texas El Paso
No Poster Title

Ortiz-Quiles, Edwin O. — University of Puerto Rico; Rio Piedras Campus
Graphene-Type Molybdenum Disulfide and Titanium Dioxide Hybrid for Dye Sensitizer Solar Cells

Pandey, Shivendra — Johns Hopkins University
Not presenting a poster.

Pudasaini, Pushpa Raj — University of Texas at San Antonio
No title available

Qi, Chen — Suzhou Institute
No Poster Title

Risko, Chad — Georgia Institute of Technology
Building the Foundation of an Integrated; Multiscale Theoretical Understanding of the Electronic and Optical Processes in Organic Solar Cells

Ritenour, Andrew — University of Oregon
Photoelectrochemistry of Close Space Vapor Transport-Grown GaAs and Other Earth-Abundant Semiconductors

Rivera, Danisha — University of Texas El Paso
No Poster Title

Rivnay, Jonathan — Stanford University
Drastic control of texture in high performance n-type polymeric semiconductor and implications for charge transport

Singh, Manoj — University of Allahabad
Anomalous enhancement in carrier concentration and mobility in high transparent W doped In2O3 –CuAlO2 multilayer thin films

Sinsermsuksakul, Prasert — Harvard University
Layer Deposition and Chemical Vapor Deposition of Tin(II) Sulfide

Sridharan, Sindhuja — Indian Institute of Science
ZnO based MIS solar cell

Trinh, Cong — University of Southern California
Chemical annealing of organic thin films: application to Organic Photovoltaics

Vajjala Kesava, Sameer — Pennsylvania State University
P3HT/PCBM solar cell performance is independent of the active layer phase separation for various processing conditions.

Vakhshouri, Kiarash — Pennsylvania State University
Charge Transport in Amorphous Polythiophene-Fullerene Blends

Vemuri, Rama Shesha — University of Texas El Paso
No Poster Title

Viezbicke, Brian — Rutgers University
Thin-Film Photovoltaic Absorber Replacement – Synthesis and Characterization of Copper Bismuth__Sulfide (Cu3BiS3)

Violi, Ianina Lucila — CONICET - CNEA

Nanocrystalline and ordered mesoporous Titania thin films on Indium tin oxide glass: the first step to building hybrid solar cells

Wang, He — Princeton University
No Poster Title

Westacott, Paul — Imperial College London
No Poster Title

Wiley, Benjamin — Duke University
The Effect of Nanowire Length and Width on the Properties of Transparent Conducting Films.

Yeh, Ming-Ling — Johns Hopkins University
Pyromellitic Diimides: High Mobility Electron-Transporting Material based on a Small Conjugated Core

Zhang, Xiaoyan — The University of Alabama
Synthesis of Monodisperse Hexagonal CuInxGa1-xS2 Semiconductor Nanocrystals for Photovoltaic Applications

Zhong, Qiwen — University of Southern California
Fused Porphyrin-SWNT supramolecular assembly for photoinduced electron transfer process.