CNDA
Center for Nanomaterials Design and Assembly

[CNDA Home]

[Conference Home]

[Invited Speakers]

[Online registration form]

[Conference Schedule]

[Conference hotel and local information]

CNDA summer 2008 conference on

Complex and nanostructured materials for energy applications

Kellogg Center, Michigan State University
June 22 - June 26, 2008

Co-Chairs : Phil Duxbury (Physics); Michael Mackay (Chemical Engineering)
Advisory Committee : Greg Baker (Chemistry) ; Bhanu Mahanti (Physics) ; Jim McCusker (Chemistry) ; Keith Promislow (Mathematics) ; Don Morelli (Materials Science).

Invited Speakers Include

Greg Baker Chemistry, Michigan State University
Bicontinuous phase approaches to polyelectrolytes and fuel cell membranes
Simon Billinge Materials Science, Columbia and Brookhaven Lab.
Characterization of nanomaterials
Jordi Cabana Chemistry, SUNY StonyBrook
Characterization and performance of novel electrode materials for Lithium Batteries
Alvin Compaan Physics, University of Toledo
CdTe and other inorganic thin-film photovoltaics: reducing the cost of PV
David Carroll Physics, Wake Forest Univ.
Organic Photovoltaics
Mildred Dresselhaus Physics, MIT
High performance composite thermoelectrics
Larry Drzal Chemical Engineering, MSU
Graphene NanoPlatelets for Energy Applications
Stephen Forrest Physics and VP research, University of Michigan
Organic photovoltaic materials and devices
Tom Fuller Chemical and Biomolecular Eng., Georga Tech.
Fuel Cells
Yury Gogotsi Nano Materials Group, Drexel Univ.
Advanced Carbon Electrodes for Improved Supercapacitors
Joseph Heremans Mechanical Engineering, Ohio State
Thermoelectrics
Puru Jena Physics, Virginia Commonwealth University
Complex materials and nanostructures for hydrogen storage
David Johnson Chemistry, University of Oregon

Synthesis of Novel Thermoelectric Superlattices.

Prashant Kamat Chemistry and Biochemistry, Notre Dame

Nanostructured assemblies for Light Energy Conversion

Michael Mackay Chemical Engineering, Michigan State Univ.

Self-assembly of nanoparticles in polymers for solar cell and supercapacitor applications

Bhanu Mahanti Physics, Michigan State University

Atomistic modeling and electronic structure of thermoelectric materials

Jim McCusker Chemistry, Michigan State University

Dye-Sensitized Solar Cells: Fundamental Issues and Applications

Sanjeev Mukerjee, Chemistry, Northeastern University

In situ characterization

Gholam-Abbas Nazri GM Research and Development Center

Nanomaterials for lithium batteries

Stephen Paddison Chemical and Biomolecular Eng., Univ. of Tennessee

Computational Chemistry, Fuel Cells

Valeri Petkov Physics, Central Michigan Univ.

3D structure of materials for energy application by high-energy XRD

Simon Phillpot, Materials Science and Engineering, Univ. of Florida

Thermal Transport

Keith Promislow Mathematics, Michigan State University

Nanomorphology of polymer electrolytes

Richard Schaller Advanced spectroscopy, Los Alamos

Carrier Generation in Quantum Dots

Alison Walker Physics, Univ. of Bath (UK)

Multiscale modeling of organic and dye sensitized solar cells

Quiming Zhang Electrical Engineering, Pennsylvania State University

Supercapacitors

MICHIGAN STATE UNIVERSITY