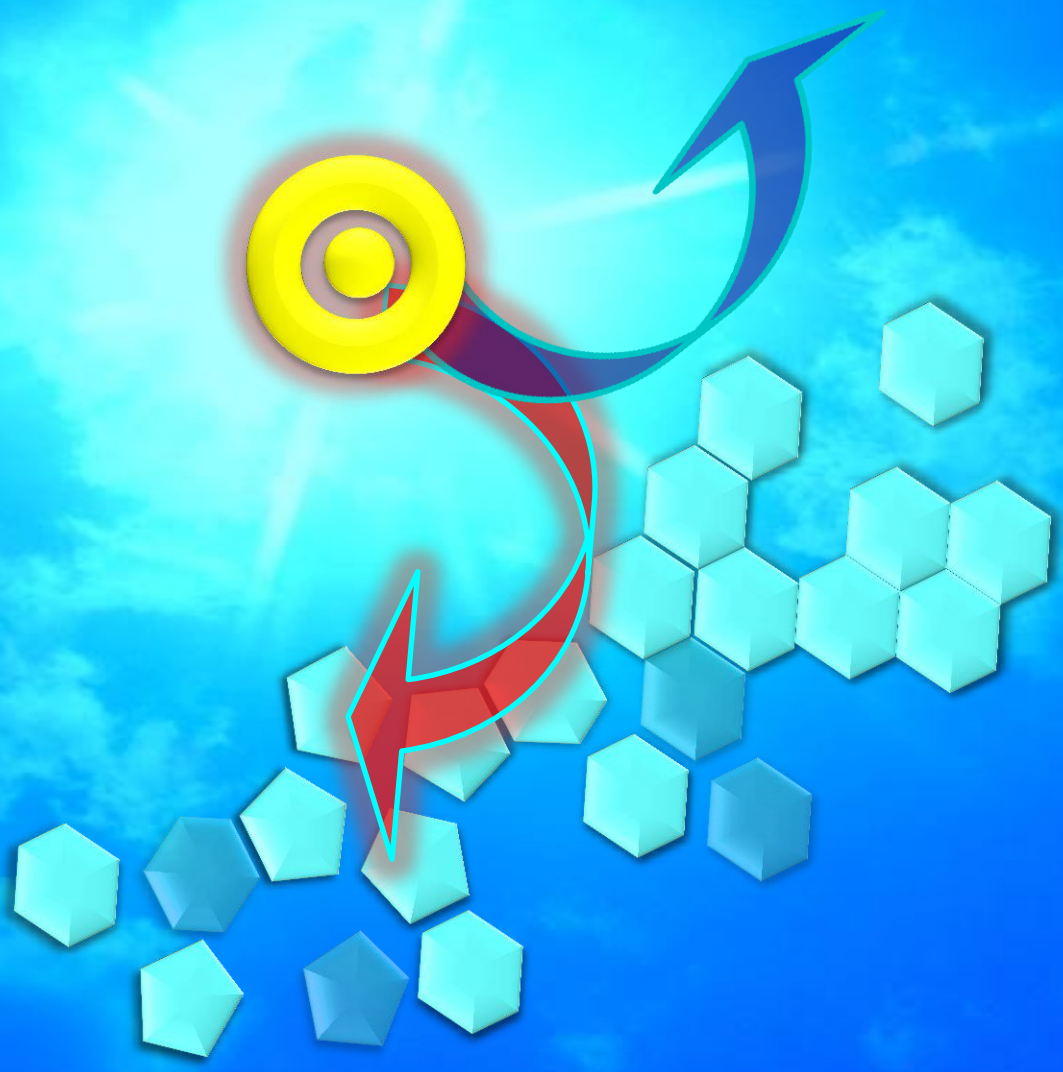
Towards Sustainable Energy Future

2nd Photovoltaic School



Center for Nanophase Materials Sciences

Oak Ridge National Laboratory

September 13, 2012

Towards Sustainable Energy Future:

2nd Photovoltaic School

September 13, 2012

Iran Thomas Auditorium

	Title	Presenter	Affiliation
9:00-9:30	Characterization of Surface Assembled Photosystem I (PSI): Towards Future Bio-hybrid Photovoltaic Devices	Dibyendu Mukherjee	Sustainable Energy Education and Research Center, University of Tennessee, Knoxville
9:30-10:00	Band gap tuning in a ferroelectric oxide by site-specific substitution of transition metal oxides.	Ho Nyung Lee	Materials Science and Technology
10:00-10:30	Design of radial p-n Junction onTiO2 through N-doping for solar applications	Miaofang Chi	Materials Science and Technology
10:30-11:00	Nanoparticle synthesis and processing for opto-electronic energy devices	Michael Hu	Energy and Transportation Science Division
11:30-12:00	Thin film amorphous silicon solar cell: materials and device integration	Joshi Pooran	Materials Science and Technology
12:00-13:00	Lunch break		
13:00-13:30	Low dose and Energy Filtered TEM of Organic Semiconductors and Hybrid Assemblies	Jihua Chen	Center for Nanophase Materials Sciences
13:30-14:00	What neutrons can do for photovoltaics	John Ankner,	Neutron Sciences Directorate
14:30-15:00	"Side chain engineering" towards better understanding of aggregating behavior of optoelectronic polymers	Kunlun Hong	Center for Nanophase Materials Sciences
15:30-16:00	Conjugated diblock copolymers for organic photovoltaics.	Kai Xiao	Center for Nanophase Materials Sciences
16:30-17:00	High-Performance Organic Thin-Film Transistors prepared by Ultrasonic Spray Deposition	Ming Shao	Center for Nanophase Materials Sciences

Tour of PV R&D facilities is scheduled for September 14th

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