Redefining the Limits of Photovoltaic Efficiency

WORKSHOP

Sunday, July 29, 2012
California Institute of Technology
Hameetman Auditorium at the Cahill Center
8:30 AM - 5:00 PM

Organized by the Resnick Sustainability Institute and the Light-Material Interactions in Energy Conversion (LMI) Energy Frontier Research Center, this one-day workshop brings together leaders from industry, academia and government agencies to discuss new technologies for redefining the limits of solar energy conversion efficiency.

Speakers include:
- Harry Atwater, Director, LMI-EFRC and Resnick Institute, California Institute of Technology
- Ivan Celanovic, Principal Research Scientist, Massachusetts Institute of Technology
- Geoffrey Kinsey, Director, Photovoltaic Technologies, Fraunhofer Center for Sustainable Energy
- Sarah Kurtz, Principal Scientist, National Renewable Energy Laboratory
- Minh Le, Chief Engineer, Solar Technologies Program, Department of Energy
- Michelle Povinelli, WiSE Gabilan Assistant Professor of Electrical Engineering, University of Southern California
- Wladek Walukiewicz, Senior Staff Scientist, Solar Energy Materials Research Group, Lawrence Berkeley National Laboratory
- Roland Winston, Professor, University of California, Merced

Workshop topics cover a broad spectrum of photovoltaic research:
- Theory: fundamentals, thermodynamics, alternative approaches, and more
- Materials: for ultra-high efficiency, photo-thermal, and 3rd generation devices
- Optics: photonics & plasmonics for light trapping, tracking and spectral splitting

- Program features invited talks, poster session & small group discussions with speakers.
- Attendees are welcome to submit an abstract for the poster session. (deadline July 20)
- The agenda, full list of speakers, abstract submission, and registration details can be found at http://lmi.caltech.edu/2012workshop.
- Attendees are encouraged to register for IPS-19, the 19th International Conference on Photochemical Conversion and Storage of Solar Energy, taking place at Caltech from July 29-August 3, 2012. (www.ips19.com)