CALIFORNIA INSTITUTE OF TECHNOLOGY

Light-Material Interactions in Energy Conversion

– PRESENTS –

FUNDAMENTAL CHALLENGES IN SOLAR ENERGY CONVERSION

AN INTERACTIVE WORKSHOP FOR THE DOE EFRC COMMUNITY

Plenary Speakers:

- Richard Swanson, SunPower Corporation
- Christiana Honsberg, Arizona State University
- Eli Yablonovitch, U.C. Berkeley
- Harry Atwater, Caltech

Workshop Focus:

DOE EFRC support has provided an unprecedented opportunity for energy researchers to address fundamental challenges in solar energy conversion. The purpose of this workshop is to engage EFRC researchers in understanding the history, the outstanding challenges and accomplishments in the photovoltaics and solar energy conversion field. With this context, the workshop will help identify i) fundamental limits to light absorption, carrier collection and conversion efficiency ii) already solved problems (i.e., where limits have been reached) and iii) outstanding opportunities (important unsolved problems). Program includes plenary talks, and ample time devoted to lively, candid discussion in interactive breakout sessions.

Interactive Breakout Sessions:

- Fundamental Limits to Photovoltaic Efficiency
- Light Trapping and Concentration
- 'Third Generation' Photovoltaic Concepts

Who should attend:

Faculty, staff, postdoctoral and graduate student researchers from the EFRCs focused on solar energy conversion.

9 AM–5 PM WEDNESDAY JULY 7TH 2010

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PASADENA, CA 91125

For more information, see http://lmi.caltech.edu/

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