



## Call for Abstracts

### Area 6: Organic Photovoltaics

Dear Colleagues,

On behalf of the Technical Program Committee, I invite you to submit an abstract on your latest research results to Area 6: “**Organic Photovoltaics**” of the **35th IEEE Photovoltaic Specialists Conference**, which will be held in **Honolulu, Hawaii**, from **June 20th-25th in 2010**. The IEEE PVSC meeting is the established international platform for presenting PV related research of high scientific level.

Area 6 is divided into the following five subareas:

**Subarea 6.1: Polymer and Small Molecule Based Organic Photovoltaics**

**Subarea 6.2: Stability, Processing, and Packaging for Organic Photovoltaics**

**Subarea 6.3: Tandem, QD Enhanced, and Advanced Concept Organic Solar Cells**

**Subarea 6.4: Hybrid and Dye Sensitized Solar Cells**

**Subarea 6.5: Mechanisms, Interfaces, and Models in Excitonic Solar Cells**

Organic, hybrid inorganic/organic, and dye sensitized solar cells are rapidly advancing technologies that are beginning to demonstrate commercial viability. The flexibility of different donor/acceptor combinations including both organic small molecule and polymer as well as nanostructured inorganic materials stimulate a large diversity of approaches to the promise of more stable and efficient devices. Many of the devices are excitonic in nature necessitating new device modeling, and all of them are dominated by interfaces between very heterogeneous materials with different structural, thermal and chemical properties.

The symposium will focus on the examination of many of the key areas evolving in this diverse approach to harvesting solar energy. This includes papers in the broad spectrum of areas including:

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*35th IEEE Photovoltaics Specialists Conference, Honolulu, HI, June 20-25, 2010*



- the exploration of the evolving PV devices and materials based on polymers, small molecules, and dyes;
- the potential enhancement of these devices with tandem or QD structures;
- the stability and packaging of organic based devices; and
- examination of new models and data for the performance of excitonic and dye based devices and their complex interfaces.

Papers are solicited about fundamental research on materials; device concepts and interfaces; initial product development; lifetime testing; and papers on novel hybrid device development are encouraged as well. In Area 6, contributions can range from fundamental materials science of organic semiconductors, to applied research and technology development of organic PV devices and modules.

Please check our website for the 35th IEEE PVSC at [www.ieee-pvsc.org](http://www.ieee-pvsc.org). Extended abstracts of 3 pages in length need to be submitted before the deadline on February 15, 2010, on the conference website.

Please join us in making the 35th PVSC a great event to learn more about and to discuss the latest advances in organic photovoltaics!

Sincerely yours,

**David Ginley**, *National Renewable Energy Laboratory (NREL), USA*  
Area 6 Chair

**Jan Kroon**, *ECN, The Netherlands*  
**Gitti Frey**, *The Technion, Israel*  
Area 6 International Co-Chairs