

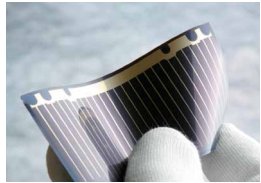
First Announcement and Call for Application

International Summer School on Photovoltaics and New Concepts of Quantum Solar Energy Conversion

11. – 18. September 2011 in Hirschegg, Austria

HZB Helmholtz
Zentrum Berlin

QUANTSOL



We would like to invite you to participate in the International Summer School on Photovoltaics and New Concepts of Quantum Solar Energy Conversion to be held from 11th to 18th September 2011 in Hirschegg, Kleinwalsertal, Austria. The school primarily addresses young postdocs, PhD students, and students in their final year at university.



Invited speakers, all recognized scientists from leading world laboratories, will give lectures covering topics on the fundamental principles of the conversion of solar energy into chemical and electrical energy as well as their technological application in photovoltaic devices

The school will follow the tradition of previous very successful summer schools organized by QUANTSOL in 1998, 2001, 2003 and 2006 as well as by HZB in 2008, 2009 and 2010. The school is organized to be very interactive and the participants and speakers are requested to present their field of research in a short oral presentation at the first day of the school.

Subjects of the school are:

- Energy Scenarios
- Principles of photovoltaics
- Thermodynamics of solar energy conversion
- Crystalline silicon solar cells
- Thin-film solar cells (Silicon, CdTe, CIS)
- Plastic Solar Cells
- Solar cells with ultimate efficiencies (III-V)
- Dye-sensitized solar cells
- Material properties
- Light harvesting
- Semiconductor nanostructures and quantum dots
- Solar cell simulation including practical sessions

Confirmed speakers are:

P. Würfel (Karlsruhe, DE), T. Markvart (University of Southampton, GB), J.C. Hummelen (Universität Groningen, NL), T. Dittrich (Helmholtz-Zentrum Berlin, DE), T. Unold (Helmholtz-Zentrum Berlin), D. Vanmaekelbergh (University of Utrecht, NL), C. Leendertz (Helmholtz-Zentrum Berlin), D. Meissner (Tallinn University of Technology, Estonia), T. Hannappel (Helmholtz-Zentrum Berlin), K. Lips (Helmholtz-Zentrum Berlin).



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The lectures will be given in the mountain guesthouse „Waldemar Petersen Haus“ (www.tu-darmstadt.de/w.p.haus/) of the Technische Universität Darmstadt in Hirschegg (Kleinwalsertal, Austria) where all attendants and lecturers will be lodged.

School fee:

School fee is 390 Euro for participants from universities and research institutes and 590 Euro for participants from industry. The school fee includes board, lodging, and registration fee.

Applications:

Students who intend to participate in the summer school are required to apply through this website (http://www.helmholtz-berlin.de/events/quantsol/applications/index_de.html). Since the summer school is limited to 55 students, we have a selection procedure. In order to be able to judge on your qualification, you are requested to submit your curriculum vitae plus a short statement that justifies favorable consideration as a participant.

Students that are accepted to participate in the summer school will be notified end of June 2011 and are then asked to register through the school's website and pay the school fee via bank transfer (credit cards are not accepted). Further details will be send out with the notification of acceptance.

Deadline for application is 10th June 2011.



Waldemar Petersen Haus

Organized and financed by:

Helmholtz-Zentrum Berlin für Materialien und Energie (HZB)

Organizing committee:

Chair and program: Dr. Klaus Lips (HZB, Germany),

Dr. Thomas Hannappel (HZB, Germany)

Communication: Karin Regelin (HZB, Germany)

Contact for further information:

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Web page: <http://www.helmholtz-berlin.de/events/quantsol/>