First Announcement and Call for Application

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

9. -16. September 2012 in Hirschegg, Austria

HZB Helmholtz Zentrum Berlin

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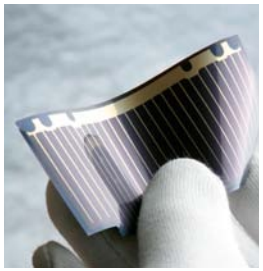

We would like to inform you about the upcoming International Summer School on Photovoltaics and New Concepts of Quantum Solar Energy Conversion to be held from 9th to 16th September 2012 in Hirschegg, Kleinwalsertal, Austria. The school is now open for application until 10th June 2012. We kindly ask you to pass on this information to your colleagues and students. The school primarily addresses young postdocs, PhD students, and students in their final year at university with a strong interest in photovoltaics.

Invited speakers, all recognized scientists from leading world institutions, will give lectures covering wide range of topics on the fundamental principles of the conversion of solar energy into chemical to the implementation of photovoltaics on TW sale.

The school will follow the tradition of previous very successful summer schools in 1998, 2001, 2003, 2006, 2008 - 2011. 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. Details of the school's program can be found on the webpage http://www.helmholtz-berlin.de/events/quantsol/index_de.html.

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 efficiences (III-V)
Dye-sensitized solar cells
Material properties
Light harvesting
Semiconductor nanostructures and quantum dots
Photovoltaics on the TW scale
PV Roadmap
Grid integration

Confirmed speakers are:

P. Würfel (Karlsruhe Institute of Technology, GER), W.C. Sinke (ECN Solar Energy, NL), T. Markvart (University of Southampton, UK), J.C. Hummelen (University Groningen, NL), T. Unold (HZB, GER), D. Vanmaekelbergh (University of Utrecht, NL), P. Cameron (University of Bath, UK), D. Meissner (Tallinn University of Technology, EST), T. Hannappel (TU Ilmenau, GER), K. Lips (HZB, GER).

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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 450 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 the 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 2012 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 2012.

Waldemar Petersen Haus

Organized and financed by:
Helmholtz-Zentrum Berlin für Materialien und Energie (HZB)
TU Ilmenau
The European Society for Quantum Solar Energy Conversion

Organizing committee:
Chair and program: Dr. Klaus Lips (HZB, GER),
Dr. Thomas Hannappel (TU Ilmenau, GER)

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Webpage: http://www.helmholtz-berlin.de/events/quantsol/