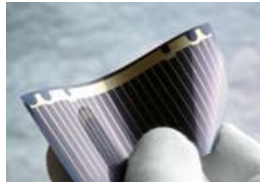


First Announcement and Call for Application

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

13. – 20. September 2009 in Hirscheegg, Austria



We would like to invite you to the International Summer School on Photovoltaics and New Concepts of Quantum Solar Energy Conversion to be held from 13th to 20th September 2009 in Hirscheegg, 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. 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
- High efficiency solar cells (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 (Universität Karlsruhe), J.C. Hummelen (Universität Groningen, NL),
- T. Unold (Helmholtz-Zentrum Berlin), D. Vanmaekelbergh (University of Utrecht, NL),
- R. Stangl (Helmholtz-Zentrum Berlin), D. Meissner (Tallinn University of Technology, Estonia)
- T. Hannappel (Helmholtz-Zentrum Berlin), K. Lips (Helmholtz-Zentrum Berlin).



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 300 Euro for participants from universities and research institutes and 500 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 (<https://www.helmholtz-berlin.de/events/quantsol/applications/>). 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 by the end of July 2009 and are then asked to register via the internet and pay the school fee via bank transfer (details will be send out with the notification).

Deadline for application is 24th July 2009.



Waldemar Petersen Haus

Organized and financed by:

Helmholtz-Zentrum Berlin für Materialien und Energie (HZB)

Organizing committee:

Chairman: Dr. Klaus Lips (Helmholtz-Zentrum Berlin, Germany)

Co-Chair: Dr. Thomas Hannappel (HZB, Germany)

Programm: Dr. Thomas Hannappel (HZB, Germany),

Prof. Dr. Daniel Vanmaekelbergh (University of Utrecht, The Netherlands),

Dr. Klaus Lips (HZB, Germany)

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