

Press Release

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Launch of New Conference on Silicon Photovoltaics

Scientists Will Meet in Freiburg for the 1st "SiliconPV – International Conference on Silicon Photovoltaics" in April 2011

The solar PV market is booming with figures from 2010 showing installation exceeding 12 GW. This corresponds to more than 50% of the total PV power installed over the last decades. More than 80% of the PV market is based on crystalline silicon. This growth is accompanied by a significant increase in the number of researchers working on crystalline silicon photovoltaics and the amount of high-quality, in-depth scientific papers published in this field. In this context a new conference that offers a platform for intensive scientific and technological discussion on the topic appeared essential. "Therefore a group of scientists from institutes and industry decided to initiate this new series of conferences", explains Dr. Stefan Glunz, Head of "Solar Cells – Development and Characterization" at the Fraunhofer Institute for Solar Energy Systems ISE. From April 17-20, 2011 the Concert Hall in Freiburg will host the first "SiliconPV". Interested researchers are invited to submit their abstracts for consideration up to November 26, 2010.

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The inaugural conference of "SiliconPV – International Conference on Silicon Photovoltaics" will focus on "Advanced Cells and Modules", one of the main drivers in silicon photovoltaics research and development. An international committee comprised of well-known scientists will select the best abstracts to form a high-level scientific program. "SiliconPV" will be a platform for exciting invited talks, high-quality oral and poster presentations and is inspired by the intensive scientific discussions on events as the "Workshop on Metallization for Crystalline Silicon Solar Cells" in Konstanz or "SiliconFOREST", an annual get-together of young scientists on crystalline silicon photovoltaics. The Freiburg conference will include topics on silicon material science, advanced characterization techniques, device physics and simulation, surface morphology and passivation, junction formation, structuring and contact formation, process integration and cell architecture as well as innovative module design and integration. The event will be followed by an adequate publication of the conference papers. "'SiliconPV' is an important event for scientists of institutes and companies dealing with research on crystalline silicon photovoltaics. We are convinced that this conference will soon be a nucleus for the scientific community", says Prof. Eicke R. Weber, Director of Fraunhofer ISE. In the following years, SiliconPV will be hosted by other research institutions throughout Europe.

Organization and Registration

The technical organization of "SiliconPV" will be carried out by PSE, Freiburg. Any further information about the conference as well as registration details can be found on the website: <http://siliconpv.com>

Important dates:

- Deadline for Abstracts: November 26, 2010
- Notification of Acceptance: January 18, 2011

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Scientific Committee of "SiliconPV":

- Australian National University, Australia: A. Cuevas
- Bosch Solar Energy, Germany: V. Nadenau, H. J. Krokoszinski
- ECN, Netherlands: A. Weeber, J. Bultman, W. Sinke
- Fraunhofer ISE, Germany: E. Weber, S. Glunz, R. Preu
- Georgia Institute of Technology, USA: A. Rohatgi
- IFE, Norway: A. Holt
- IMEC, Belgium: J. Poortmans, F. Dross
- INES, France: P. J. Ribeyron, D. Muñoz
- IPE, University of Stuttgart: M. Reuter
- ISC Konstanz, Germany: R. Kopecek, K. Peter
- ISFH, Germany: R. Brendel, N.-P. Harder, J. Schmidt
- PV Crystalox Solar, Germany: H. Aulich, O. Anspach
- Q-Cells, Germany: P. Wawer, J. Müller
- REC, Norway: E. Sauar
- Schott Solar, Germany: A. Metz
- Sinton Instruments, USA: R. Sinton
- Solar Energy Research Institute of Singapore, Singapore: A. Aberle
- SolarWorld, Germany: R. Lüdemann, H. Neuhaus
- Sunpower, USA: P. Cousins
- Sunways, Germany: G. Schubert
- University of Konstanz, Germany: G. Hahn, B. Terheiden
- University of New South Wales, Australia: S. Wenham

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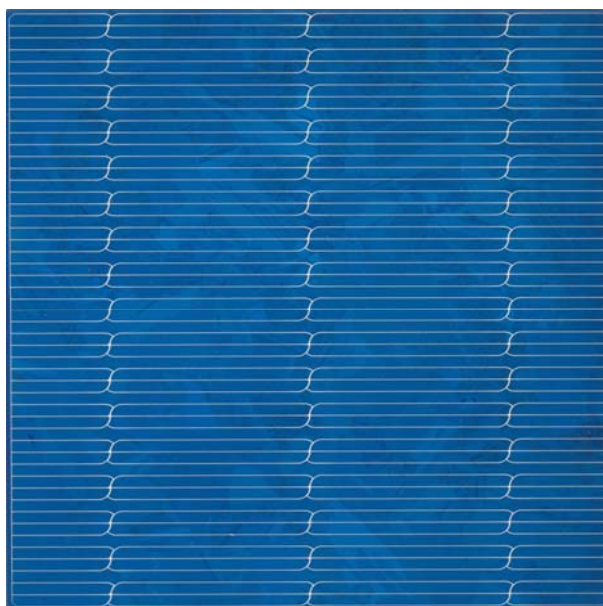


Photo: MWT solar cell of multicrystalline silicon (156 x 156 mm²).
The Photo shows the contact structure with vias creating the contact to the back surface of the cell. ©Fraunhofer ISE

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The **text and photo of the press release** can be downloaded on our website: www.ise.fraunhofer.de

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