

International Workshop on Modeling of Thin-Film Silicon Solar Cells



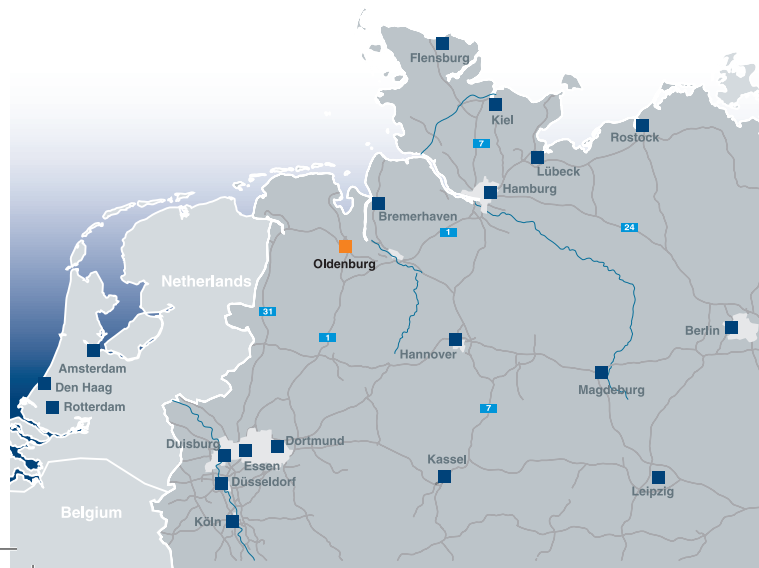
Organizer:

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Energy Research for the Future

NEXT ENERGY develops future energy supply solutions by focusing on three areas: **Photovoltaics, Fuel Cells and Energy Storage.**

Our Photovoltaics Division focuses on amorphous and microcrystalline silicon materials deposited as a multispectral solar cell. In contrast to other thin-film technologies, silicon is copiously available and harmless to the environment.

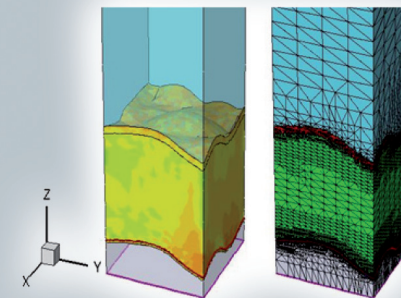
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► Photovoltaics



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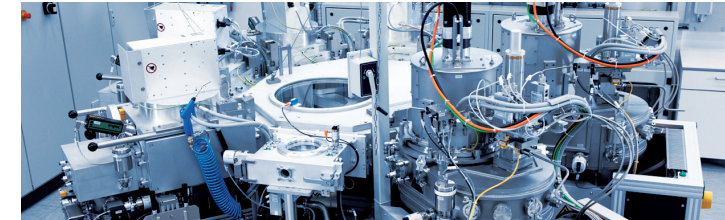
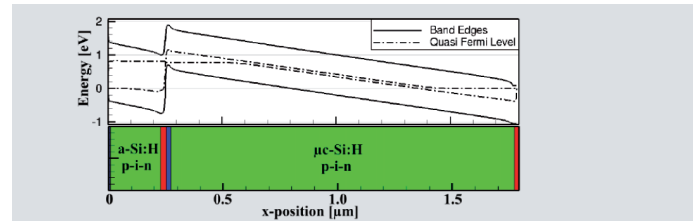
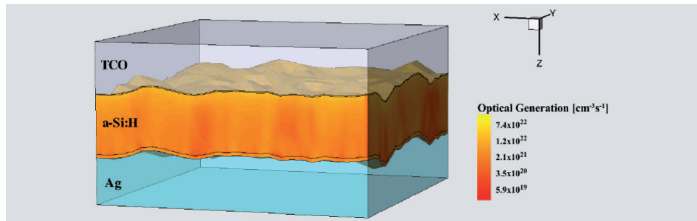
at NEXT ENERGY
Oldenburg / Germany
February, 07th and 08th, 2012

NEXT ENERGY

EWE-Forschungszentrum für
Energietechnologie e.V.

Revised: 09/2011

International Workshop on Modeling of Thin-Film Silicon Solar Cells



Objective:

The workshop aims for creating a platform to exchange know-how and experience in modeling silicon thin-film solar cells. Experts on this area will present their results and discuss new trends and developments in a pleasant and inspiring atmosphere.

Subjects:

The workshop mainly focuses on **modeling of silicon thin-film solar cells** including **optical and electrical modeling**. The talks will give an overview and a detailed insight into **light management structures**, **photonic structures** and **plasmonics effects** as well as their description by means of available **software tools**. Another aspect will be the extraction of the essential parameters for correctly describing the solar cell characteristics.

Speakers:

- Dr. Benedikt Bläsi,
Fraunhofer-Institut für Solare Energiesysteme ISE, D
- Dr. Franz-Josef Haug,
École Polytechnique Fédérale de Lausanne (EPFL), CH
- Prof. Dr. Dietmar Knipp,
Jacobs University Bremen, D
- Assoc. Prof. Dr. Janez Krc,
University of Ljubljana, SLO
- Dr. Gergő Létay,
Synopsys Switzerland LLC, CH
- Julia Ostertag,
Robert Bosch GmbH, D
- Prof. Dr. Christoph Pflaum,
Universität Erlangen, D
- Prof. Dr. Carsten Rockstuhl,
Friedrich-Schiller-Universität Jena, D
- Prof. Dr. Miro Zeman,
Delft University of Technology, NL

Poster Session:

A poster session will be held along with the conference dinner. All participants are invited to present their latest results. Please indicate this in the registration form.

Program:

1st day | 07.02.2012

13.00 h – 17.00 h

- Welcome
- 2 sessions with 3 talks held
18.30 h – 22.00 h
- Conference dinner
- Poster session

2nd day | 08.02.2012

9.00 h – 13.00 h

- 2 Sessions with 3 talks held
- Summary
- Lunch
- Lab tour NEXT ENERGY

Registration & Accommodation:

Please fill in the registration form for the conference and send the signed form via email to workshop.pv@next-energy.de. The registration fee will be € 75,-, conference dinner included.

Hotel rooms have already been reserved for you.
For booking please contact tagungen@oldenburg-tourist.de