

 Berlin Adlershof

City of  
Science  
Technology  
and Media

## Photovoltaics Thin-Film Week

The **Photovoltaic Thin-Film Week** will be held as a joint event organized by PVcomb - Competence Centre for thin-film and nanotechnology Berlin, Solarpraxis and the HZB - Helmholtz-Zentrum Berlin für Materialien und Energie.

The **PV Thin-Film Week** combines specialized scientific workshops on thin-film silicon with a practical industry forum on topics such as market development, production and financing. Both scientists as well as executives from the solar industry will meet at this international event in Adlershof. There will be joint sessions, shared lunch breaks and the possibility to meet at the dinner cruise.

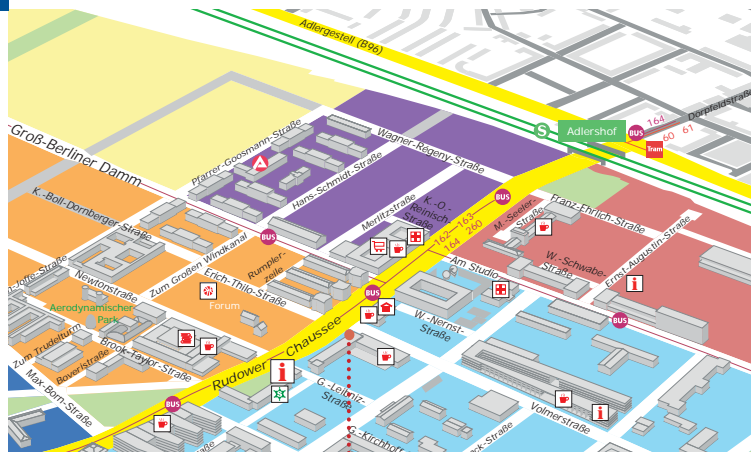
**Get-together boat trip:** Wednesday, 22nd April, all participants and interested persons are invited to take part in a dinner cruise in central Berlin. The boat trip offers excellent opportunities for networking in a relaxed atmosphere.

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[www.helmholtz-berlin.de/pvcomb](http://www.helmholtz-berlin.de/pvcomb)



## Way to Berlin Adlershof, Rudower Chaussee 17

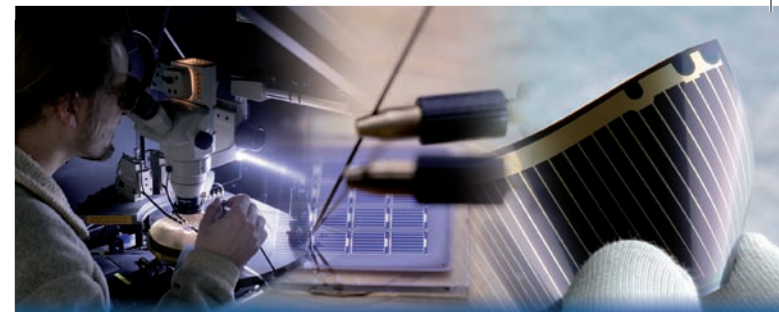


**Eventlocation:**  **WISTA-Management GmbH  
Rudower Chaussee 17**

Adlershof and WISTA-MG support growth and development of the PV sector:

- Strong scientific Background, for example the newly formed HZB - Helmholtz-Zentrum Berlin für Materialien und Energie (formerly HMI and BESSY) and the Humboldt-University as well as other non-university research institutes
- PV companies like Solon, Sulfurcell and SENTECH Instruments are headquartered here
- PVcomb will bridge the gap between science and industry

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 Berlin Adlershof

## Photovoltaics Thin-Film Week 20th-24th April 2009

From fundamental research to grid parity –  
a new technology conquers the market

**1st IWSWE**  
First International Workshop on  
the Staebler-Wronski Effect

20th-22nd April 2009

GEFÖRDET VOM



**IWTFSSC - 2**  
Second International Workshop on  
Thin-Film Silicon Solar Cells

21st-23rd April 2009



## Thin-Film Industry Forum 2009

22nd-24th April 2009



[www.helmholtz-berlin.de/pvcomb](http://www.helmholtz-berlin.de/pvcomb)

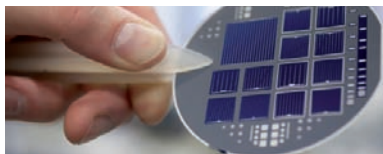
**1st IWSWE**

First International Workshop on the Staebler-Wronski Effect

**20th-22nd April 2009**

Amorphous silicon (a-Si:H) based technologies bare the potential to significantly reduce production costs. Recent efforts have been undertaken in Germany to industrialise a-Si:H and microcrystalline silicon ( $\mu\text{c-Si:H}$ ) based single and tandem solar cells. However, one of the inherent material properties of a Si:H are metastable light-induced structural changes which limit the solar conversion efficiency. This so-called Staebler-Wronski effect (SWE) is known since more than 30 years but its mechanism on an atomic scale is still unresolved.

With the vision of mitigation or elimination of the drawbacks related to the SWE, the German network EPR-Solar establishes the First International Workshop on the Staebler-Wronski Effect as a new platform to discuss the mechanisms underlying the SWE on an atomic level. Bringing together established scientists working in the field with young EPR-Solar researchers, novel model and experimental results will be discussed to shed light on the long standing miracles of the SWE.



This workshop is on invitation, participants can take part at the Solarpraxis thin-film industry forum and pay only the early-bird fee.

Please find further information at:  
[www.helmholtz-berlin.de/pvcomb](http://www.helmholtz-berlin.de/pvcomb)



GEFÖRDERT VOM



Bundesministerium  
für Bildung  
und Forschung

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**IWTFSSC - 2**

Second International Workshop on Thin-Film Silicon Solar Cells

**21st-23rd April 2009**

Driven by an increasing demand for photovoltaic solutions, a shortage of crystalline silicon and the availability of turn-key production lines, thin-film silicon solar cells are attracting increasing attention over the past few years. Many companies have invested in mass production lines for a-Si and a-Si/ $\mu\text{c-Si}$  solar modules. A large number of these companies are still in the ramp-up phase, or even before.

Despite impressive growth of the thin-film Si manufacturing capacity, many technological issues remain of importance. These include high deposition rate processes, large area uniformity, optical confinement, or laser scribing. To stay ahead of competing technologies, it will be important to address more fundamental and longer-term issues as well, such as photodegradation of a-Si, very high current cells, triple cells, new structures, or advanced TCOs.

The workshop will consist of invited talks and panel discussions on the present status and future prospects of thin film silicon technologies. The number of participants will be limited and will include the most internationally renowned experts.

This workshop is on invitation, participants can take part at the Solarpraxis thin-film industry forum and pay only the early-bird fee.

Please find further information at:  
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ZENTRUM BERLIN  
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**Thin-Film Industry Forum 2009**
**22nd-24th April 2009**

The Thin-Film Industry Forum 2009, being held in Berlin from April 22nd to 24th, will look at all the current issues around thin-film technology - from the political environment, through market growth expectations, finance and marketing, to sales, production capacity and technical developments.

The Thin-Film Industry Forum will form a key event that will bring the players of the solar industry together with representatives from politics, the financial world, the press and the industry's suppliers.



The Conference is aimed at executives and managers from the finance, technical and marketing departments of thin-film technology companies, distributors, suppliers, analysts, investors, management consultants and industry associations as well as representatives from the press and politics.

Between the sessions, the Forum will offer excellent networking opportunities in a relaxed atmosphere.

As a part of the conference program, a number of visits to the premises of leading thin-film producers in the Berlin region are planned.

Please find further information at:  
[www.solarpraxis.de](http://www.solarpraxis.de)



SOLARPRAXIS

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