

MONDAY 5TH OF MAY, 9.00-17.00

Solar Power - for Sustainable Energy

INTERNATIONAL SYMPOSIUM

Solar energy more and more plays an important role in the establishment of sustainable energy systems. Solar radiation can be directly converted to electricity by semiconductor media or absorbed to create heat. In the latter case generated steam may drive turbines or generators. The aims of the symposium are to shed light on solar technologies, their potential and encourage the use of solar energy.

- 09.00 **Introduction and background**
Prof. Sven Kullander, The Royal Swedish Academy of Sciences
- 09.20 **Si Photovoltaics Technology**
Dr. Winfried Hoffmann, Solar Business Group, Applied Materials GmbH, Alzenau, Germany
- 10.00 **Overview of Silicon Technology versus Thin Film Technology**
Dr. Florian Holzapfel, Q-Cells AG, Thalheim, Germany
- 10.40 **Coffee**
- 11.00 **CIGS Thin Film Technology**
Dr. Marika Edoff, Photovoltaics Research Team, Ångström Solar Center, Uppsala, Sweden
- 11.30 **External Costs for Solar Electricity**
Dipl.Ing. Philipp Preiss, Institut für Energiewirtschaft und Rationelle Energieanwendung, Stuttgart University, Germany
- 12.10 **Lunch**
- 13.30 **The Concentrated Solar Power DESERTEC Project in Middle East and North Africa**
Dipl.Phys. Gerhard Knies, Hamburg Climate Protection Foundation, Hamburg, Germany
- 14.10 **Solar Energy in the Swedish Energy System**
Prof. Björn Karlsson, Energy and Building Design, Lund University, Sweden
- 14.40 **Solar Electricity for Buildings**
Dr. Bengt Stridh, ABB Corporate Research, Västerås, Sweden
- 15.10 **Coffee**
- 15.30 **Solar Energy – The Power Industry's view**
Dipl.Ing. Jörg Asmussen, Vattenfall, Sweden
- 16.00 **Panel Discussion**
- 17.00 **End**

Place: Royal Swedish Academy of Sciences, Lilla Frescativägen 4A, Stockholm
Contact person: Jennie Skoglund (08-673 95 25, jennie@kva.se)
The symposium is free of charge

Please register before 21 april on www.kva.se

Welcome!

The symposium is organized by The Energy Committee at The Royal Swedish Academy of Sciences. The committee is sponsored by The Swedish Energy Agency, The Swedish Research Council Formas, VINNOVA – The Swedish Governmental Agency for Innovation Systems, ELFORSK – The Swedish Electrical Utilities R&D Company, The Swedish District Heating Association, SKGS – Confederation of Forest, Chemical, Mine and Steel-industry, The Confederation of Swedish Enterprise and IFMetall.

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