



Official side event of the



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Energy and Heat: Combining CSP, PV and Solar Thermal – A holistic approach for making the most of solar energy

An official side event of the Berlin Energy Transition Dialogue 2018

<https://www.energiewende2018.com>

**the BSW-Solar & the DCSP cordially invite you
to our joint workshop**

19. April 2018, 9 am – 4 pm, Berlin

Regent Hotel Berlin, Charlottenstrasse 49, 10117 Berlin

**If you are interested in joining our workshop, please send an email with
your contact details to betd@deutsche-csp.com**

While PV and Solar Thermal have very low energy generation costs, CSP has recently witnessed a dramatic cost decrease. At a price of around 6 €/kWh for systems with integrated storage the technology can now complement fluctuating renewables in sun-belt countries. All three technologies can be used to provide electricity or heating / cooling for different applications or temperature levels at competitive costs.

Within this context the workshop will focus on comprehensive solar solutions, especially the combination of PV, CSP, solar thermal, solar-biomass hybrids and new storage technologies. It will provide an overview of best practice reports on actual projects that allow a stable, low cost energy supply in sun-belt countries.

Two panels will inform the audience about:

- Costs for reliable and flexible solar power from PV-CSP and CSP-biomass hybrids, and advanced thermal storage technologies
- Solar process heating for industries, solar district heating and cooling

09:00 **Welcome**
David Wedepohl – Managing Director International Affairs, BSW-Solar
Dr. Joachim Krüger – Chairman of the Board, DCSP

Panel 1: PV-CSP hybrids, CSP-biomass hybrids, storage and R&D

09:20 **Concepts for PV-CSP hybridization**
Suntrace GmbH

09:40 **PV-CSP, experience from project developer and EPC side**
TSK Flagsol GmbH

10:00 **Innovations and potential of CSP technologies**
schlaich bergemann und partner, sbp gmbh

10:20 **PV developments and new expectations**
innogy SE

10:40 **Coffee Break**

11:00 **CSP-biomass hybridization; solutions for India & Southeast Asia**
Solarlite CSP Technology GmbH

11:20 **New storage technologies, comparison of battery vs. other technologies**
RWTH Aachen University

11:40 **Research on concentrating solar technologies**
German Aerospace Center (DLR)

12:00 **Lunch**

Panel 2: Solar process heating for industries, solar district heating & cooling

13:20 **District heating in Denmark**
Aalborg CSP

13:40 **District heating in Germany**
Ritter XL Solar

14:00 **Energy transition in heating**
Fraunhofer Institute for Solar Energy Systems ISE

14:20 **Process heating in industries**
Industrial Solar GmbH

14:40 **How will industrial heat look like in 20 years?**
tbd

15:00 **Networking**
Discussion and exchange of experience

16:00 **End of the workshop**



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About BSW-Solar and DCSP

German Solar Association (BSW-Solar)

The association's mission is to support its members operating around the world in accessing and developing a global market for solar power, solar heat and solar storages. BSW-Solar drives the implementation of solar business models and is a treasure trove of first-hand information, networks and service, unrivalled in its experience with solar energy.

German Association for Concentrated Solar Power (DCSP)

was established in September 2013. Among the members are consulting and engineering companies, manufacturers of components, owners and operators of power plants as well as research institutions. The portfolio covers the whole CSP value chain. The association's objective is to join forces and interests of the market players in Germany and enhance their chances in international markets. In their latest policy paper, DCSP explains the social, economic and environmental opportunities of a global expansion of CSP and how the federal government and parliament can make their contributions to utilize these opportunities.