



IEA SHC Task 66 Solar Energy Buildings

Integrated solar energy supply concepts for climate-neutral buildings and communities for the "City of the Future"



Industry Workshop No 5

Solar Energy Buildings Design, Planning and Operation in Practice

6th February 2024

13:00 – 16:15 hrs CET (Central European Time, UTC+1)

Virtual: <https://unistuttgart.webex.com/unistuttgart/j.php?MTID=mdfb2299bef0d652f2c28348092052111>

IEA SHC Task 66 "Solar Energy Buildings"

The objective of Task 66 is the development of economic and ecologic feasible energy supply concepts with high solar fractions. Task 66 addresses single-family buildings, multi-story residential buildings as well as building blocks and communities, with regard to new and existing buildings.

PROGRAM

- 13:00 – 13:15 **Welcome and Presentation of Task 66**
Dr. Harald Drück, Task Manager of Task 66, Institute for Building Energetics, Thermotechnology and Energy Storage (IGTE), University of Stuttgart, Germany
Prof. Frank Späte, OTH-AW, Germany
- 13:15 – 13:40 **The Jenni system - 45 years of experience in solar thermal applications for buildings**
Marcel Krebs, Jenni Energietechnik, Switzerland
- 13:40 – 14:05 **Combining active and passive solar concepts in building design: Case study of prabha Bhavan, MNIT Jaipur, India**
Prof. Dr.-Ing. Jyotirmay Mathur, Malaviya National Institute of Technology, Centre for Energy and Environment, India





- 14:05 – 14:30 **Design, construction and operation of a solar thermal family home**
Michael Hövel, Sonnenhaus Institut e.V. - Ingenieurbüro Exergenion,
Germany
- 14:30 – 14:45 *Coffee Break*
- 14:45 – 15:10 **Digitalising the building integrated PV**
Dr. Rebecca Yang, Solar Energy Application Lab, School of Property,
Construction and Project Management, RMIT University Melbourne, Australia
- 15:10 – 15:35 **Thin-Film Solar for Buildings: How Ascent Solar Technologies is
Changing the Game with Lightweight, Flexible PV**
Paul Warley, CEO of Ascent Solar Technologies, Inc., USA
- 15:35 – 16:00 **Solar Concepts and monitoring results of buildings with high
solar thermal fraction in Austria**
Walter Becke, AEE INTEC, Austria
- 16:00 – 16:15 **Final discussion and closing**
Dr. Harald Drück, Task Manager Task 66, IGTE, University of Stuttgart,
Germany



See you online!



Please note that registration is required for the Industry Workshop!

Please send an email at latest until 31.01.2024 to:
Claudia Scholl-Haaf (Task administrator) claudia.haaf@igte.uni-stuttgart.de

Task Manager: Dr. Harald Drück; email: harald.drueck@igte.uni-stuttgart.de

Contact us, join us, share your ideas with us!
email: task66.info@iea-shc.org Website: <https://task66.iea-shc.org>

