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 2

"Solar thermal and/or PVT combined with heat pumps as an innovative energy supply solution"

29th September 2022, Kassel, Germany

in context with the EuroSun 2022 conference

14:00 – 17:30 h Building WISO B / Room 0109, Nora-Platiel-Straße 5, Kassel

About 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

14:00 – 14:10	**Welcome, Introduction 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
14:10 – 14:30	**PVT heat pump collector as innovative energy supply solution** Andreas Siegemund, Managing Partner Consolar Solare Energiesysteme, Germany
14:30 – 14:50	**VirtuPVT: evacuated-tube technology for commercial and industrial applications** Maria Zagorulko, Development and Operations Engineer Naked Energy Ltd., UK
14:50 – 15:10	**Design and optimization of CCHP for microgrids and solar energy buildings** Dr. Arun Kumar Vaiyapuri, Project Manager / R&D and Renewable Energy STEAG Energy Services (India) Pvt. Ltd., India

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15:10 – 15:30 **Manufacturing of innovative pvt-collectors (tbc)**
Robbert van Diemen, Managing Director at HRsolar Group
HRsolar Group / Qsilence, Netherlands

15:30 – 16:00 *Coffee Break*

16:00 – 16:20 **Intelligent heat pump solutions in combination with photovoltaics**
Marcel Macke, Key Account Manager
iDM Energiesysteme GmbH, Austria

Presentation of latest Task 66 Subtasks results

16:20 – 16:30 **Introduction: Task66 Video**
Moderation: Dr. Harald Drück

16:30 – 16:45 **Highlights of the activities in Subtask A**
Boundary Conditions, KPIs, Definitions and Dissemination
Prof. Frank Späte, Leader Subtask A of Task 66
OTH Amberg-Weiden, Germany

16:45 – 17:00 **Highlights of the activities in Subtask B**
Thermal stand alone Buildings and Building Blocks / Communities
represented by: Elsabet Nomonde Noma Nielsen, Leader Subtask C of Task 66, Technical University of Denmark (DTU), Denmark

16:45 – 17:00 **Highlights of the activities in Subtask C**
Thermal grid connected Buildings and Building Blocks / Communities
Elsabet Nomonde Noma Nielsen, Leader Subtask C of Task 66
Technical University of Denmark (DTU), Denmark

17:00 – 17:15 **Highlights of the activities in Subtask D**
Current and future technologies and components
Thomas Ramschak, Leader Subtask D of Task 66
AEE - Institut für Nachhaltige Technologien, Austria

17:15 – 17:30 **Discussion and Closing:**
Dr. Harald Drück, Task Manager Task 66, IGTE, University of Stuttgart, Germany

Registration is required! Please send an E-Mail **at latest until 18.09.2022** to:
Claudia Scholl-Haaf (Task administrator) claudia.haaf@igte.uni-stuttgart.de

Task Manager: Dr. Harald Drück; E-Mail: harald.drueck@igte.uni-Stuttgart.de

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

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