## 9 OCTOBER 2019

# JOINT IEA TASK 60 AND CITIES WORKSHOP ON PV-THERMAL SYSTEMS

- At DTU Anker Engelundsvej 1 - 2800 Kgs. Lyngby Building 101, Meeting room 1

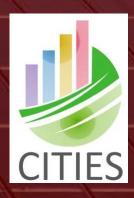


All interested are welcome
The workshop is free of charge

- Hybrid solar panels that produce both electricity and heat is a technology on the rise. The combination of solar cells (PV) and solar thermal collectors (T) allows for various ways to optimize buildings' energy systems. In this workshop, leading international experts will present the status of the PVT technology and present case studies where PVT collectors are integrated in buildings.







#### 13.00 - 13.05 Welcome

- 13.05 13.20 Introduction IEA SHC Task 60 on PVT systems By Jean-Christophe Hadorn, Switzerland
- 13.20 13.40 PVT market analysis for Solar Heat Worldwide- By Thomas Ramschak, AEE, Austria (TBC)
- 13.40 14.00 PVT collector test standards- By Korbinian Kramer, Fraunhofer ISE, Germany

### 14.00 - 14.20 Coffee break

- 14.20 14.40 PVT architecture and good examples- By Lars E. Bancroft, Arkitema Architects, Denmark
- 14.40 15.00 Market potential for PVT
   By Svend Erik Mikkelsen, COWI, Denmark
- 15.00 15.20 Case study of BIPVT
   By Niels Radisch, Rambøll, Denmark
- 15.20 15.40 Key findings in system simulations of PVT systemDTU Civil Engineering, Denmark

#### 15.40 - 16.00 Coffee break

- 16.00 16.20 Smart control of energy systems with PVT- By Peder Bacher, DTU COMPUTE, Denmark
- 16.20 17.20 Presentation of PVT collector manufacturers
   By Racell (DK), Abora (ES), Sunovate
  (AU), Naked Energy (UK) and Dual Sun (FR)