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Solar Energy Applications

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Solar energy can be used for heat generation and electricity supply. According to the International Energy Agency (IEA) solar installations will supply approximately 45% of world energy demand in 2050. This will happen through a wide variety of system configurations for various applications. This paper presents a summary of such systems and applications. The case of novel non-concentrating evacuated flat-plate solar collectors for medium temperature applications will be presented in details.

Presenter: PALMIERI, Vittorio (TVP SOLAR)

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