

عنوان مقاله:

The Use of Solar Energy in Permanent Architecture

محل انتشار:

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خلاصه مقاله:

Recently solar energy has received the attention of most industrial and developing countries, owing to its limitlessness and its positive effects on the environment as well as due to the termination of fossil fuels and the escalation in their price. Solar energy can be utilized in buildings and consumer devices in different ways so as to economize in the consumption of fossil energies, or to conserve them for future generations by not using them at all. By establishing solar power plants, centralizing the solar energy in one spot, it would be feasible to transmit the energy to the consumer places. Another way is to initially design buildings as solar houses (passive systems), and furthermore to benefit from active solar systems. Consequently, using solar energy via both active and passive systems in the building design can provide a high percentage of the energy required by the building.

کلمات کلیدی:

solar energy, active solar system, passive solar system

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