ABSTRACT: SOLAR ENERGY 2019

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The growing motivation of renewable energy instead of fossil fuels for the production of electricity, and number of solar power plants had an increase in recent times. Concentrated Solar Power systems (CSP) is one example to achieve this goal. This process results in a considerable amount of concentrated solar radiation (visible light, infrared and ultraviolet radiation) inside and in the neighborhood of the installations. Some previous studies have addressed the possible risks for health of workers in environments where they perform activities in outdoors exposed to solar radiation. The overall purpose of this paper is to provide information about the environmental conditions in facilities using CSP technology, the effects of solar radiation in humans and the methods for the risk assessment in this type of facilities.

Sponsorship for presentation required: **YES**

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