

ES-004

<Invited Speaker>

## High Efficiency Thin Film Photovoltaic Device and Technical Evolution for Silicon Thin Film and Cu (In,Ga)(Se,S)

신명훈

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High efficiency thin film photovoltaic device technology is reviewed. At present market situation, the industrial players of thin film technologies have to confront the great recession and need to change their market strategies and find technical alternatives again. Most recent technology trends and technical or industrial progress for Silicon thin film and CIGS are introduced and common interests for high efficiency and reliability are discussed.

**Keywords:** Si thin film, Cu(In,Ga)(Se,S), photovoltaic device, solar cell, high efficiency, reliability