**High-Efficiency CdTe Solar Cells**

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ABSTRACT

A number of new records for solar-cell efficiencies have been set during the past three years. The thin-film CdTe cell efficiency has advanced from 16.5% to 20.4%, which is particularly noteworthy because the CdTe technology has also achieved a high production volume and a low cost. The talk will describe the reasons for the CdTe advances from a fundamental perspective, the program at Colorado State to help improve CdTe cells, and the issues for the CdTe going forward.