LASER SCRIBING OF THIN FILMS FOR FUTURE PHOTOVOLTAIC APPLICATIONS

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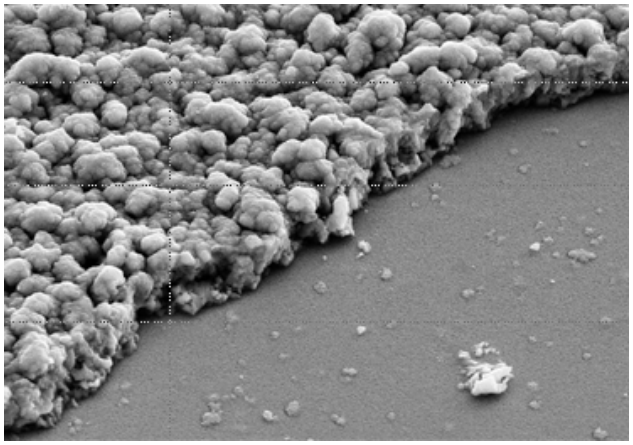
Kurzfassung mit maximal 10 Zeilen.
Sie sollte in Deutsch und/oder Englisch erfolgen. Zwischen der englischen und deutschen Kurzfassung bitte eine Zeile (6 pt) frei lassen

Abstract maximum 10 lines. Abstract german and/or english.

Laser scribing has to be developed as one key technology for the fabrication of flexible, large area, high efficiant thin film solar modules that can be competetive to silicon. The presentation focus on the mechanism and the results of laser ablation scribing of selected thin films.
Special emphasis will be paid to laser ablation/scribing of hybridorganic absorber films, copper-indium-gallium-diselinid (CIGS) and Pvon flexible substrates.



SEM image of a CIGS edge after laser ablation.