

## Poster-Session

### Sputtering for Solar Power

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The Coatings Technology and Systems Group offers developmental support for all thin-film coating applications carried out in the field of research undertaken at the Fraunhofer Institute for Solar Energy Systems, sputtering being the main deposition technique. The poster will present current highlights from our work on photovoltaics and solar thermal applications. Present PV projects include highly transparent conducting contacts for organic photovoltaics and charge selective contact layers for perovskites and tandem Si-Perovskites. In the area of building (or indeed vehicle) integrated PV and solar thermal panels, our MorphoColor® coating, which is a selective reflectance interference coating system which allows solar modules to have a designed colour (to blend to the building or make a feature of the solar panel) while maintaining high efficiency has been developed. In the field of Concentration Solar-thermal Power our spectrally selective absorbing layers and high-temperature, highly reflecting film systems under-pin research for collectors and concentrators.