

"Physik der Dünnschichtsolarzellen und moderne Analysemethoden" (German, with slides in English) at TU Berlin in the upcoming winter term. Always on Fridays (starting on October 29, 2021), 10-12 (c.t.).

Contents:

- basic physics of solar cells
- quantum efficiency and electroluminescence
- capacitance-voltage analysis
- photoluminescence
- optical analyses of thin films
- soft X-ray and electron spectroscopy of surfaces
- various techniques for elemental distribution analyses in thin films
- X-ray diffraction
- Raman spectroscopy
- microstructural properties of thin films
- detailed overviews of various scanning and transmission electron microscopy methods, applied on thin-film solar cells

Should you be interested to join, please let me know via return e-mail, I will provide you with the zoom link to the online lecture.

Best, Daniel Abou-Ras