



PHYSIKALISCHES KOLLOQUIUM

Mittwoch, 03.12.2014, um **16:00 Uhr**

Ort: Reichenhainer Str. 90; Neues Hörsaalgebäude, Raum: 2/N013



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ORGANIC AND BIO-ORGANIC DEVICES FOR SOLAR ENERGY CONVERSION AND CO₂ RECYCLING

Organic light emitting diodes (OLEDs), organic photovoltaic cells (OPVs) and organic field effect transistors (OFETs) are device elements for a future organic optoelectronics. Maturing from the academic research into the industrial development, such devices are entering the markets. Pure organic nanostructures and organic/inorganic hybrid nanostructures are comparatively studied for devices. This talk gives an overview of materials' aspect and devices.

In order to produce artificial fuels from solar energy, the CO₂ recycling into artificial hydrocarbons is an important strategy. The organic and metallo-organic materials can play here a large role to reduce the CO₂, electrochemically, photochemically and photo-electrochemically.

Alle Zuhörer sind ab 15:45 Uhr zum Kaffee vor dem Hörsaal eingeladen.