

**PHYSICAL COLLOQUIUM  
INVITATION**

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Monday, 20.11.2017, 4.15 p.m., W2-1-148

speaks

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about

**Intermolecular Charge-Transfer States for Organic optoelectronics**

Intermolecular charge transfer (CT) states at the interface between electron-donating and electron-accepting materials in organic thin films are characterized by absorption and emission bands within the optical gap of the interfacing materials. Depending on the used donor and acceptor materials, CT states can be very emissive, or generate free carriers at high yield. In this talk, I will discuss the fundamental properties of CT states and link them to the performance of organic opto-electronic devices, such as organic solar cells, photodetectors and light emitting diodes.

All interested persons are cordially invited.

Sgd. Prof. Manuela Schiek