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LEHRSTUHL FÜR EXPERIMENTALPHYSIK II

Fr. Prof. Dr. Anna Köhler

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Hauptseminar WS 2014/2015

Electronic and optical processes in organic semiconductors

Topic	Noch verfügbar?
1. The operation and current state of the art of an organic light-emitting diode	Julian Garhammer
2. The operation and current state of the art of an organic solar cell	
3. The operation and current state of the art of a transistor	
4. Experimental techniques to measure the charge carrier mobility	Simeon Völkel
5. Electrical current in a device (injection limited and space-charge limited current)	Tobias Meier
6. Charge injection mechanisms	Benno Buchinger
7. Carrier recombination	Stefan Wedler
8. Different charge transport regimes: coherent vs incoherent transport	Thomas Körber
9. Incoherent charge transport: Polaron and disorder controlled hopping transport	Lukas Krönert
10. The diffusion of excitations in a solid	Florian Ungar
11. The dissociation of excitations at heterojunctions	

Themenanfragen bitte an anna.koehler@uni-bayreuth.de

Vorbesprechung mit Termineinteilung am Montag, 6. Oktober, 13 Uhr, am Lehrstuhl EPII

gez. Prof. Dr. A. Köhler

Stand 4.8.2014