



## WORKSHOP ON NEW MATERIALS FOR RENEWABLE ENERGY 17 - 21 October 2011, ICTP, Trieste

## CHARGE CARRIER TRANSPORT IN ORGANIC PHOTOVOLTAIC DEVICES

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ABSTRACT II:

Organic photovoltaic diodes (OPVs) and organic solar cells are based on disordered organic semiconductors. The transport is limited due to localization processes. We will give a didactical overview of the different aspects on charge carrier transport, bring the experimental data and theoretical models into a critical discussion. To improve the charge carrier mobility will be important to get the efficiency of organic solar cells up.