

Symposium Charge Transfer Effects in Molecular Materials (SYCT)

jointly organized by
 the Chemical Physics Division (CPP)
 the Biological Physics Division (BP),
 the Thin Films Division (DS), and
 the Semiconductor Physics Division (HL)

Frank Schreiber
 Institut für Angewandte Physik
 Universität Tübingen
 Auf der Morgenstelle 10
 72076 Tübingen
 frank.schreiber@uni-tuebingen.de

Wolfgang Brütting
 Institut für Physik
 Universität Augsburg
 Universitätsstraße 1
 86159 Augsburg
 wolfgang.brueetting@physik.uni-augsburg.de

Charge transfer effects are ubiquitous in molecular materials as well as biological systems. In fact, in many cases, charge transport, charge-driven interactions, and charge-related excitations – both in the bulk and at interfaces – are crucial for the specific features and functioning of the respective system. Overall, the understanding of CT effects is still not very mature. We expect that a coherent discussion of various aspects of CT helps to promote their understanding and more efficient application.

Overview of Invited Talks and Sessions

(Lecture Room H1)

Invited Talks

SYCT 1.1	Mon	9:30–10:00	H1	A coarse grained QM/MM approach for the description of charge transfer in complex systems — ●MARCUS ELSTNER
SYCT 1.2	Mon	10:00–10:30	H1	Identifying and resolving charge separation in organic solar cells — ●EBERHARD RIEDLE
SYCT 1.3	Mon	10:30–11:00	H1	Quantifying the energy of charge transfer states: From molecular crystals to donor-acceptor blends — ●REINHARD SCHOLZ
SYCT 1.4	Mon	11:00–11:30	H1	Efficient Exciton Generation and Collection in Organic Solar Cells — ●MARK THOMPSON, CONG TRINH, STEVE FORREST, JERAMY ZIMMERMAN
SYCT 1.5	Mon	11:30–12:00	H1	Electron transport in organic single-crystal transistors and Schottky-gated heterostructures — ●ALBERTO MORPURGO

Sessions

SYCT 1.1–1.5	Mon	9:30–12:00	H1	Symposium Charge Transfer Effects in Molecular Materials
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