

COHERENT EXCITON- PHONON DYNAMICS IN ORGANIC PHOTOVOLTAICS

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The elementary processes of organic optoelectronics exhibit an intricate interplay of electronic delocalization, trapping phenomena, and coherent exciton-phonon and carrier-phonon dynamics in the subpicosecond domain. Against this background, the present talk highlights complementary results from time-resolved spectroscopy and high-dimensional quantum dynamics that elucidate the mechanism of conformationally driven exciton dynamics and exciton break-up at donor-acceptor interfaces.

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CFEL
SEMINAR ROOMS I-III

