



SFB1242

Nichtgleichgewichtsdynamik kondensierter
Materie in der Zeitdomäne

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ESSEN

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Ultrafast photoinduced dynamics in hetero-bimetallic complexes

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Hetero-bimetallic complexes constitute versatile model systems to study intermolecular energy and electron transfer reactions. Furthermore, they present attractive stepping stones in adapting the concepts of natural photosynthesis to man-made-systems, i.e. "artificial photosynthesis". In this presentation ultrafast photophysics in a hetero-bimetallic complexes will be discussed, which constitute (by now) well-studied model systems for photodriven charge transfer. The talk will elude on novel spectroscopic approaches to study the excited states of intermediates in the charge-transfer cascades, which form the mechanistic basis for photocatalytic hydrogen production using the hetero-bimetallic complexes as photocatalysts.

Für diese Zeit steht eine Kinderbetreuung nach vorheriger Anmeldung zur Verfügung.

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