FWF SFB NEXT GENERATION LIGHT SYNTHESIS AND INTERACTION

NEXT-LITE SEMINAR

Theoretical methods to describe ultrafast photoinduced dynamics

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Location: TU Wien, Institut für Photonik, Gußhausstraße 27-29, 1040 Wien, Seminarraum CB EG 02

When molecules are electronically excited they can undergo photochemical reactions, exploring different regions of the excited potential energy surfaces (PES). In this talk I will explain how theory can contribute to understand the deactivation mechanisms of some exemplary molecular systems. These processes are ultrafast and require a time-dependent analysis, which can be e.g. provided with a general ab initio molecular dynamics framework.

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