

SEMINAR ANNOUNCEMENT

FRIDAY, 21.11.2014
14:00 C.T. NC 6/99

Prof. Rolf Diller
Biophysik, TU Kaiserslautern

" Ultrafast processes in metal- and non-metal molecular systems, studied by femtosecond time-resolved spectroscopy "

Photoactivation on a molecular level preludes many important processes in biology, medicine and technology. The respective primary processes often occur on a sub-picosecond to picosecond time scale and determine the efficiency of the subsequent dark reactions and their function. Ultrafast UV/VIS- and IR-vibrational spectroscopy provide tools to study electronic, vibrational and structural dynamics on the electronically excited and ground state potential energy surfaces. An overview as well as recent results are presented concerning cis-trans isomerization reactions in phytochromes and a number of retinal proteins as well as spin-crossover phenomena in metal-complexes.

Interested persons are cordially invited to attend!