

COLLOQUIUM ANNOUNCEMENT

FRIDAY, 03.07.2015

14:00 h NC 3/99

Prof. Dr. Uwe Bovensiepen

Department of Physics, University Duisburg-Essen

***"Ultrafast dynamics of electron
and ion solvation at ice-metal
interfaces"***

Uwe Bovensiepen (Univ. Duisburg-Essen, Faculty of Physics) investigates optically excited states and the ultrafast dynamics at interfaces, surfaces, and solids employing a variety of femtosecond time-resolved pump-probe experiments. While one part of his work aims at understanding ultrafast cooperative phenomena in ferromagnetic and superconducting materials he will present in this talk an overview of his work using time-resolved two-photon photoelectron spectroscopy at metal-ice interfaces. He will discuss dynamics of electron solvation in amorphous and crystalline ice adlayers, water induced changes of the ultrafast response of alkali atoms adsorbed on Cu(111), and dissociation of benzene derivatives and CFC1₃ mediated by the solvated electrons in ice.

Interested persons are cordially invited to attend!