

RESOLV: VORTRAGSANKÜNDIGUNG

FREITAG, 03.05.2013
UM 11:00 UHR IN NC 3/99

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"Structure, Interactions and Chemistry in Ionic Liquids"

Abstract:

I will discuss how the interplay between ionic liquid structure, transport properties and dynamics affects the outcomes of chemical reactions in these novel solvents. I will present some of our recent results on photo-induced electron-transfer reactions in ionic liquids, as well as structural studies of the bulk fluids using a combination of high energy X-ray scattering and molecular dynamics simulations. To complement these structural studies, we are using 2D nuclear Overhauser effect NMR to study the interactions between ions. Lastly, we are introducing these 2D NMR methods to study specific interactions with a molecular solute and the surrounding cations and anions.

Alle Interessenten sind zur Teilnahme am Vortrag herzlich eingeladen.