



Karl Friedrich Bonhoeffer Lecture

Donnerstag, den 12.2.2009 - 17:00 Uhr

Lichtenberg-Hörsaal, Raum A0-103
Fakultät für Physik

Friedrich-Hund-Platz 1



Professor Dr. Jörg Wrachtrup

3. Physikalisches Institut, Universität Stuttgart

"Focussing on spins"



Microscopy has revolutionized our understanding of nature. In particular optical microscopy has made tremendous contribution to structure analysis on the nanometer scale in life science. Yet, if it comes to the fine details of e.g. molecular structures it is mostly spectroscopy providing the details. In particular techniques based on spins like e.g. nuclear- and electron spin magnetic resonance have provided unprecedented insight into the details of complex structures like proteins. The talk will describe the combination of both techniques leading to unsurpassed sensitivity in magnetic resonance with the potential to introduce a novel contrast mechanism in optical microscopy, namely magnetic fields.

Gastgeber: Prof. Dr. Stefan W. Hell

P.S. Wegen Umbauarbeiten im Manfred-Eigen-Hörsaal findet die Lecture dieses Mal NICHT im Max-Planck-Institut für biophysikalische Chemie statt.