



Dr. Michael Gensch

BESSY at Helmholtz-Center Berlin

PhD 2004 at the TU Berlin. Post Doc 2005 – 2006 at the Leibniz Institute for Analytical Sciences in Dortmund and Berlin studying structural and chemical changes in stimuli responsive ultra thin polymer brush films by vibrational spectroscopy and photoelectron spectroscopy. Post Doc 2006 – 2008 at the soft x-ray FEL FLASH at DESY in Hamburg, responsible for design and construction of the THz Beamline

and THz photodiagnosics, the beamline commissioning and a pilot THz pump XUV probe experiment. Staff scientist at BESSY/HZB in Berlin since 2009, designing instrumentation for time resolved THz/IR microspectroscopy and magneto-optic MIR-THz ellipsometry. He is continuing to be involved in the THz beamline activities at FLASH and spokes person for the first THz pump X-ray probe user experiments. His scientific interest is to study structure – function relationships in complex solids, metallic nanostructures, interfaces and thin organic films by combining measurements of the VIS - THz response with complementary techniques such as XPS or x-ray diffraction. Current focus lies on investigations into the mechanism of coherent resonant vibrational control in manganites and cuprates by THz pump soft x-ray/NIR probe techniques and in the future also time resolved THz to MIR microspectroscopy.