

# Publications

## Publications in the context of this work

Anke B. Schmidt, Martin Pickel, Martin Wiemhöfer, Markus Donath, and Martin Weinelt, *Spin-Dependent Electron Dynamics in Front of a Ferromagnetic Surface*, Phys. Rev. Lett. **95** (2005), 107402.

M. Pickel, A. B. Schmidt, M. Donath, M. Weinelt, *A two-photon photoemission study of spin-dependent electron dynamics*, Surf. Sci. **600** (2006), 4176.

Anke B. Schmidt, Martin Pickel, Markus Donath, Martin Weinelt, *Ultrafast spin-dependent electron dynamics at the surface of ferromagnetic thin films*, J. Magn. Magn. Mater. **310** (2007), 2330.

M. Weinelt, A. B. Schmidt, M. Pickel, M. Donath, *Spin-polarized image-potential-state electrons as ultrafast magnetic sensors in front of ferromagnetic surfaces*, Prog. Surf. Sci. **82** (2007), 388.

M. Donath, C. Math, M. Pickel, A. B. Schmidt, M. Weinelt, *Realization of a spin-polarized two-dimensional electron gas via image-potential-induced surface states*, Surf. Sci. **601** (2007), 5701.

M. Pickel, A. B. Schmidt, F. Giesen, J. Braun, J. Minar, H. Ebert, M. Donath, and M. Weinelt, *Spin-orbit hybridization points in the fcc cobalt band structure*, submitted.

## Manuscripts in preparation

A. B. Schmidt, M. Pickel, M. Donath, and M. Weinelt, *Electron-magnon interaction on a femtosecond timescale*, in preparation.

M. Donath, M. Pickel, A. B. Schmidt, and M. Weinelt, *Evidence for magnetic interaction far above  $T_C$  in a 2-D ferromagnet*, in preparation.

