

# Publications

## Previous publications

- M. Roth, M. Pickel, J. Wang, M. Weinelt and Th. Fauster, *Image-potential states on stepped Cu(001) surfaces*, Appl. Phys. B **74** (2002) 661
- M. Roth, M. Pickel, J. Wang, M. Weinelt and Th. Fauster, *Electron Scattering at Steps: Image-Potential States on Cu(119)*, Phys. Rev. Lett. **88** (2002) 096802
- M. Roth, M. Pickel, M. Weinelt and Th. Fauster, *Dynamics of image-potential states on stepped Cu(001) surfaces*, Appl. Phys. A **78** (2004) 149

## Publications evolving from this work

- A. B. Schmidt, M. Pickel, M. Wiemhöfer, M. Donath, M. Weinelt, *Spin-Dependent Electron Dynamics in Front of a Ferromagnetic Surface*, Phys. Rev. Lett. **95** (2005) 107402
- M. Pickel, A. B. Schmidt, M. Donath and M. Weinelt, *A two-photon photoemission study of spin-dependent electron dynamics*, Surf. Sci. **600** (2006) 4176.
- A. B. Schmidt, M. Pickel, M. Donath and M. Weinelt, *Ultrafast spin-dependent electron dynamics at the surface of ferromagnetic thin film*, J. Magn. Magn. Mater. **310** (2007) 2330 .
- M. Donath, C. Math, M. Pickel, A. B. Schmidt, and M. Weinelt, *Realization of a spin-polarized two-dimensional electron gas via image-potential-induced surface states*, Surf. Sci. (2007), accepted for publication.
- M. Weinelt, A. B. Schmidt, M. Pickel, and M. Donath *Spin-polarized image-potential-state electrons as ultrafast magnetic sensors in front of ferromagnetic surfaces*, Prog. Surf. Sci. (2007), in press.

