

PD. Dr. Jan Minar

Date of birth: July 22, 1975

Scientific career:

1993-1998 Study of Physical Chemistry, Technical University, Bratislava, Slovakia

1998-2003 PhD study, Ludwig-Maximilians-University, München, Germany

2003 PhD Degree in Physical Chemistry, PhD Thesis with title: *Spin orbit coupling influenced spectroscopies and resonant X-ray magneto-optical properties of transition metal systems* LMU München

2002-2003 Post-doc at the Research center Jülich, Germany, with Prof. P. Dederichs

2003-2012 Post-doc at the Ludwig-Maximilians-University, München, Germany

2007 Invited guest scientist with Prof. M. Katsnelson, University of Nijmegen (Netherlands)

2012 Invited guest scientist at the Paul Scherrer Institut (Villigen), Switzerland

2012 - Habilitation in Physical Chemistry with title: *Correlation effects in transition metals and their alloys studied using the fully self-consistent KKR-based LSDA + DMFT scheme*, LMU München

Five most important publications:

J. Minar, *Correlation effects in transition metals and their alloys studied using the fully self-consistent KKR-based LSDA + DMFT scheme*, J. Phys.: Cond. Mat. (topical review) **23**, 253201 (2011).

H. Ebert, D. Ködderitzsch and J. Minár, *Calculating condensed matter properties using the KKR-Green's function method-recent developments and applications*, Rep. Prog. Phys. **74**, 096501 (2011).

A. X. Gray, J. Minar, S. Ueda, P.R. Stone, Y. Yamashita, J. Fujii, J. Braun, L. Plucinski, C.M. Schneider, G. Panaccione, H. Ebert, O.D. Dubon, K. Kobayashi, and C.S. Fadley, Bulk electronic structure of the dilute magnetic semiconductor $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ through hard X-ray angle-resolved photoemission, Nature Mater. **11**, 957 (2012).

A. X. Gray, C. Papp, S. Ueda, B. Balke, Y. Yamashita, L. Plucinski, J. Minár, J. Braun, E. R. Ylvisaker, C. M. Schneider, W. E. Pickett, H. Ebert, K. Kobayashi and C. S. Fadley, *Probing Bulk Electronic Structure with Hard-X-Ray Angle-Resolved Photoemission: W and GaAs*, Nature Materials **10**, 759 (2011).

M. R. Scholz, J. Sanchez-Barriga, J. Braun, D. Marchenko, A. Varykhalov, M. Lindroos, Yung Jui Wang, Hsin Lin, A. Bansil, J. Minar, H. Ebert, A. Volykhov, L. V. Yashina, and O. Rader, *Reversal of the circular dichroism in the angle-resolved photoemission from Bi_2Te_3* , Phys. Rev. Lett. under review (2013).