

### Weblinks:

[http://en.wikipedia.org/wiki/Electron\\_paramagnetic\\_resonance](http://en.wikipedia.org/wiki/Electron_paramagnetic_resonance)

<http://www.magnettech.de>

[http://www.ak-heinze.chemie.uni-mainz.de/teaching\\_06.htm](http://www.ak-heinze.chemie.uni-mainz.de/teaching_06.htm)

<http://www.easyspin.org/>

### Selected Information/Publications/Collaborations:

\* **EasySpin:** S. Stoll, A. Schweiger, EasySpin, a comprehensive software package for spectral simulation and analysis in EPR, *J. Magn. Reson.* **2006**, 178, 42-55;

[DOI:10.1016/j.jmr.2005.08.013]

\* **C-centered radicals:** J. Melomedov, A. Wünsche von Leupoldt, M. Meister, F. Laquai, K. Heinze, *Porphyrin Amino Acids – Amide Coupling, Redox and Photophysical Properties of Bis(porphyrin) amides*, *Dalton. Trans.* **2013**, 42, 9727-9739; [DOI: 10.1039/c3dt50711d]

\* **low-spin Ru(III)/C-centered radicals:** J. Dietrich, U. Thorenz, C. Förster, K. Heinze, *Effects of Sequence, Connectivity and Counter Ions in New Amide-Linked Ru(tpy)<sub>2</sub> – Re(bpy) Chromophores on Redox Chemistry and Photophysics*, *Inorg. Chem.* **2013**, 52, 1248-1264;

[DOI:10.1021/ic301632y]

\* **Copper(II):** K. Mack, A. Wünsche von Leupoldt, C. Förster, M. Ezhevskaya, D. Hinderberger, K. W. Klinkhammer, K. Heinze, *Effect of chelate ring expansion on Jahn-Teller distortion and Jahn-Teller dynamics in copper(II) complexes*, *Inorg. Chem.* **2012**, 51, 7851-7858; [DOI: 10.1021/ic300929g]

\* **Molybdenum(V):** K. Hüttinger, C. Förster, T. Bund, D. Hinderberger, K. Heinze, *Stereochemical consequences of oxygen atom transfer and electron transfer in imido/oxido molybdenum(IV, V, VI) complexes with two unsymmetric bidentate ligands*, *Inorg. Chem.* **2012**, 51, 4180-4192; [DOI: 10.1021/ic202588u]

\* **low-spin Fe(III):** D. Siebler, C. Förster, T. Gasi, K. Heinze, *Biferrocene amino acid – A ferrocenylogoue of ferrocene amino acid: Synthesis, Crosslinking, and Redox Chemistry*, *Organometallics* **2011**, 30, 313-327; [DOI: 10.1021/om1010808]

\* **Vanadium(IV):** R. André, F. Natálio, M. Humanes, J. Leppin, K. Heinze, R. Wever, H.-C. Schröder, W. E. G. Müller, W. Tremel, *V<sub>2</sub>O<sub>5</sub> Nanowires with an Intrinsic Peroxidase-like Activity*, *Adv. Funct. Mater.* **2011**, 21, 501-509; [DOI: 10.1002/adfm.201001302]