

Workshop on Two-Band Superconductivity and Related Topics

Universiteit Antwerpen, Campus Groenenborger, Auditorium U203
27 January 2011

Program

09:45 *Coffee*

Morning Session

10:00 *Vortex attraction and the intermediate mixed state*, Ernst Helmut Brandt (MPI für Metallforschung, Stuttgart, Germany)

10:45 *Giant vortices, vortex rings and reentrant behaviour in type-1.5 superconductors*, Liviu Chibotaru (KU Leuven)

11:15 *Two-band superconductivity: Decoupling of spatial scales in the extended Ginzburg-Landau theory*, Arkady Shanenko (UA)

12:00 *Lunch Break (Sandwich Lunch)*

Afternoon Session

13:15 *Lattice structure in systems with non-monotonic interaction*, Haijun Zhao (UA)

13:45 *A new ground state for the two component order parameter superconductor*, Mauro Doria (UF Rio de Janeiro, Brazil)

14:30 *Coffee Break*

14:45 *Vortex-antivortex state in two-band mesoscopic superconductors*, Roeland Geurts (UA)

15:15 *Microscopic picture of the critical state in a superconductor with periodic array of antidots*, Alejandro Silhanek (KU Leuven)

15:45 *Current induced intermediate state in type-I mesoscopic superconductors*, Golibjon Berdiyrov (UA)

Support: IAP Network "Quantum Effects in Clusters and Nanowires"
WOG – FWO-VI "Computational Modeling of Materials"

