

**Belgian Physical Society meeting
ULB, May 21st 2008**

**Parallel session on
Condensed Matter & Nanophysics**

15:20-16:00 Lieven VANDERSYPEN (Technische Universiteit Delft, The Netherlands)

Coherence and control of a single electron spin in a quantum dot

16:00-16:15 J.L. COLAUX (FUNDP)

Complementary studies of CN implanted copper matrix by NRA and XPS

16:15-16:30 Bart LAENENS (KUL)

Exchange-spring behaviour in Fe-FePt thin films studied via synchrotron radiation

16:30-16:45 G. R. BERDIYOROV (UA)

Intermediate State of Mesoscopic Type-I Superconductors: Effect of Sample Geometry

16:45-17:00 J. TEMPERE (UA)

Density profiles in a phase separated Fermi gas with Cooper pairing

17:00-17:15 Victor GESKIN (UMH)

A Multi-Determinant Model for Electron Transport in Molecular Assemblies in the Coulomb Blockade Regime

17:15-17:30 B. L. WILLEMS (KUL)

Transport properties of ultra thin Boron-doped diamond samples