

Annual INPAC Meeting

La Foresta, Vaalbeek, November 29, 2007

- 8:30-9:00 **Arrival, coffee**
- 9:00-9:30 Victor V. Moshchalkov "*INPAC: General indicators*"
- WP1: Nanosuperconductors (Chairman: Mark Van der Auweraer)**
9:30-9:50 Vu Hung Dao "*Composite vortices in two-band superconductors*"
9:50-10:10 Roman Kramer "*Scanning Hall probe microscopy of superconducting nano and microstructures*"
- WP2: Nanomagnets (Chairman: Peter Lievens)**
10:10-10:30 Nikie Planckaert "*The spacer layer of an interlayer-coupled trilayer directly probed with synchrotron radiation*"
10:30-10:50 Stijn Vandezande "*Manipulation of magnetic domain walls*"
- 10:50-11:20 **Coffee**
- WP3: S/F hybrid nanosystems (Chairman: Arnout Ceulemans)**
11:20-11:40 Werner Gillijns "*Confinement of the superconducting order parameter in superconductor-ferromagnet hybrids*"
11:40-12:00 Niels Verellen "*Guided vortex motion in nanostructured S/F hybrids*"
- WP4: Carbon nanosystems (Chairman: Andre Stesmans)**
12:00-12:20 Alexander Volodin "*Scanning probe microscopy based investigations of carbon nanotubes and of carbon nanowalls*"
12:20-12:40 Erwin Lijnen "*The radial rescaling approach for confined eigenvalue problems*"
- 12:40-14:00 **Lunch**
- WP5: Silicon nanosystems (Chairman: Andre Vantomme)**
14:00-14:20 Mihaela Jivanescu "*Interfaces and morphology of Si nanocrystals in SiO/SiO₂ superstructures*"
14:20-14:40 Sheron Shamuilia "*Photoconductivity of metal/oxide nanolayers*"
- WP6: Nanophotonics (Chairman: Chris Van Haesendonck)**
14:40-15:00 Koen Clays "*Colloidal photonic crystals and superlattices for photonic applications*"
15:00-15:20 Christina Flors "*Super-resolution imaging with Dronpa and its mutants*"
- 15:20-15:50 **Coffee**
- WP7: SA mol. and macromol. structures (Chairman: Koen Clays)**
15:50-16:10 Thierry Verbiest "*Magneto-optische eigenschappen van polymeren en nanomaterialen*"
16:10-16:30 Steven De Feyter "*Templating at the nanoscale*"
16:30-16:45 Victor V. Moshchalkov "*Concluding remarks*"

