

# WORKSHOP ON SUPERCONDUCTING NANOSYSTEMS IAP meeting

*Katholieke Universiteit Leuven*

*Auditorium De Oude Molen  
Kasteelpark Arenberg 50  
Heverlee*

*Thursday, July 24, 2008*

## Scientific Program

9:45-10:20 Arrival and coffee

10:20-10:30 Opening  
**Victor V. Moshchalkov**

10:30-11:15 From superconducting to superinsulating state in TiN films  
**Tatyana Baturina**  
Institute of Semiconductor Physics, Novosibirsk

11:15-12:00 Superinsulator: superconductivity induced macroscopic Coulomb blockade  
**Valerii Vinokur**  
Argonne National Laboratory, Argonne, IL

12:00-13:00 Lunch at Arenberg Castle

13:00-13:10 IAP Prize

13:10-13:40 Order – disorder transition of the vortex lattice induced by magnetic templating  
**Alejandro V. Silhanek**  
INPAC, K.U. Leuven

13:40-14:10 Quantum cascades induced by a magnetic field in superconducting nanowires  
**Arkady Shanenko**  
Universiteit Antwerpen

14:10-14:25 Non-equilibrium resistive states of superconducting Niobium Nitride microstrips in a transverse magnetic field  
**Sebastien Adam**  
Universite Catholique de Louvain

14:25-14:40 Artificial pinning centers using ordered nanoporous alumina templates  
**Xavier Hallet**  
Universite Catholique de Louvain

Registration

Participation is free of charge, but registration is required by e-mail to [joris.vandevondel@fys.kuleuven.be](mailto:joris.vandevondel@fys.kuleuven.be) (deadline is Monday, July 14, 2008)