

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

**Parallel session on Statistical Physics and Fluid dynamics**

15:20-16:00 **Joachim SAUER** (Köln U.)

*Satellite plasma interaction and the search for liquid water in our solar system*

16:00-16:18 **Axelle VIRE** (ULB)

*Large-eddy simulations of the Hartmann flow using spectral and finite-volume methods*

16:18-16:36 **Dirk CALLEBAUT** (UA)

*Exact solution of Rayleigh-Taylor stability of two fluids*

16:36-16:54 **J. INDEKEU** (KUL)

Fluctuation-induced roughness and thickness of wetting layers in colloid-polymer mixtures

16:54-17:12 **Damiaan LEMMENS** (UA)

*Path integrals in econophysics: stochastic volatility in the market*

17:12-17:30 **Vasileios BASIOS** (ULB)

*Self-organization, aggregation and nucleation via non-standard pathways*