



We have the pleasure to invite you at the third scientific meeting of the
Wallonia Network for Nanotechnologies (NANOWAL)

<http://www.nano.be>

The topic of this one-day symposium will be:

Theoretical Modeling at the Heart of Nanotechnologies

The symposium is not intended to introduce various state-of-the-art theoretical methods but rather to illustrate through concrete examples the way theory can assist experiment in a broad selection of research domains oriented towards nanotechnology.

The meeting will be held on **Friday 22 April 2005**

University of Mons-Hainaut

Campus des Sciences et de la Médecine
Auditoire 124, Building 6 (see map attached)

Scientific Programme

- 10h00-10h10:** Welcome address
- 10h10-11h10:** Prof. Jean-Pol Vigneron (FUNDP)
“Modeling Photonic Materials”
- 11h10-11h40:** Dr. Stijn Verlaak (IMEC)
“Thin Organic Semiconductor Films on Inert Substrates: What a Glimpse of a Bare Eye May Teach about one Molecule”

- 11h40-12h10:** Dr. David Beljonne (UMH)
“Polymer-Based (Bio)Chemical Sensors”
- 12h10-13h45:** ‘sandwich-and-drink’ lunch and poster session
- 13h45-14h45:** Prof. Laurens Siebbeles (Technical University of Delft, The Netherlands)
“Charge Transport along Molecular Wires: Conjugated Polymer Chains and DNA”
- 14h45-15h15:** Dr. Gian-Marco Rignanese (UCL)
“New Materials for Nano-electronics: A First-Principles Study”
- 15h15-15h45:** Prof. Jacky Liévin (ULB)
“Ab Initio Investigation of the Stability and Reactivity of Biomolecules”
- 15h45-16h15:** Dr. Renaud Vallée (KUL)
“Single Molecule Spectroscopy as a Probe for Dye-Polymer Interactions”
- 16h15:** Drink

This symposium is open to graduate students, post-docs, and scientists from academia and industry. There are no registration fees but we kindly ask you to register in advance, for logistical reasons. We strongly encourage you to present posters with your most recent work in the field of nanoscience and nanotechnology. A poster session will be held during the lunch break.

To register, please send an e-mail before April 1st to Jérôme Cornil (Jerome@averell.umh.ac.be) with your name, affiliation (and poster title).

We are looking forward to seeing you in Mons !

Please contact Jérôme Cornil (065/373863) or Roberto Lazzaroni (065/373860) for any further information.

