



The **Wallonia Network for Nanotechnologies – NanoWal asbl**

and

the **“Materials, Interfaces and Nanostructures” Doctoral School – MAIN**

organise a scientific meeting – Ph.D. student day on

“STM and AFM: What's new 30 years later”

Friday May 27 2016

Auditoires Ste Barbe, place Ste Barbe, Louvain-la-Neuve

Program

- 9h00 – 9h30 Welcome, registration, poster installation
- 9h30 – 9h40 Opening of the workshop, welcome address
- 9h40 – 10h25 **Dr. Philippe Leclère** (Université de Mons)
Exploring the Nanoscale Properties of Materials by means of Scanning Probe Microscopy
- 10h25 – 10h45 **Sébastien TOUSSAINT** (Université catholique de Louvain)
Imaging and tuning electron transport at the local scale with scanning gate microscopy
- 10h45 – 11h15 Coffee break, poster session
- 11h15 – 11h35 **Damien SLUYSMANS** (Université de Liège)
Real-time capture of the folding-unfolding transitions in a single oligorotaxane foldamer
- 11h35 – 11h55 **Gustavo LUGO** (Université de Liège)
Theoretical and experimental investigation of ligand dynamics exchange in protected gold nanoclusters
- 11h55 – 12h15 **Ronggang CAI** (Université catholique de Louvain)
Nano-patterned organic-inorganic multiferroic layers
- 12h15 – 13h45 Lunch and poster session
- 13h00 – 13h30 NanoWal General Assembly
- 13h45 – 14h30 **Gian-Marco Rignanese** (Université catholique de Louvain)
Isotope-Resolved Force Sensing in Scanning Tunnelling Microscopy
- 14h30 – 14h50 **Sten LAMBEETS** (Université libre de Bruxelles)
Catalytic CO₂ Hydrogenation : study at the molecular scale using field emission techniques.
- 14h50 – 15h10 **Laurie LETERTRE** (Université de Mons)
Nanoscale studies of the electrical properties in hybrid polymer/inorganic photovoltaic blends
- 15h10 - 15h40 Coffee break, poster session

- 15h40 – 16h25 **Anne-Sophie DUWEZ** (Université de Liège)
Probing single molecules with AFM: Force, motion, dynamics, and function
- 16h25 – 16h45 **Martin DELGUSTE** (Université catholique de Louvain)
Deciphering cell-herpesvirus interactions by F-D based AFM
- 16h45 – 17h05 **Bertrand WILLOCOQ** (Université de Mons)
Moisture-driven healing of urea-based polyurethanes at room temperature
- 17h05 – 17h15 Closing remark
- 17h15 Reception

The meeting is open to all scientists (students, post-docs, staff members) from academia and industry. We strongly encourage all groups to present posters with their most recent work connected to the field of nanomaterials, nanosciences and nanotechnology (even if not directly related to the topic of the meeting).

There are no registration fees but registration is requested. Could you please visit the site <http://www.nano.be/> and register **before May 15th**.

For further information, please contact Cécile D'Haese ([cecile.dhaese\[at\]uclouvain.be](mailto:cecile.dhaese[at]uclouvain.be))

Location: Auditoires Ste-Barbe, place Ste-Barbe, 1348 Louvain-la-Neuve (Parking P11)

