

# 1<sup>st</sup> NanoCharm Workshop on Advanced Polarimetric Instrumentation

Ecole Polytechnique, Palaiseau (greater Paris), 7 - 9 December 2009

## General Purpose

- The European project NanoCharm supports the organization of the workshop for researchers from academia and industry interested in ellipsometry and polarimetry instrumentation development.

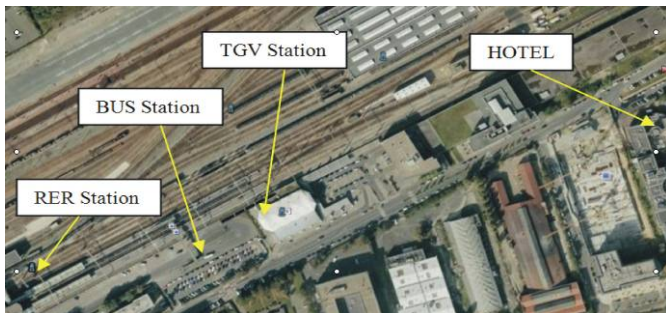
## Topics Include

- Polarimetric spectroscopy and imaging, measurement of weak circular dichroism and optical activity, physical interpretation of Mueller matrix, polarimetry of surfaces of non-terrestrial bodies, new trends in polarimetric instrumentation.

**Important: No registration fee** is due as workshop is sponsored by NanoCharm project.

## Accommodation

Nearest hotel: Mercure Hotel, Massy Gare TGV. 21, Avenue Carnot, Massy Cedex, Tel: 33.1.69.32.80.22 - e-mail: [H176-am@accor.com](mailto:H176-am@accor.com)

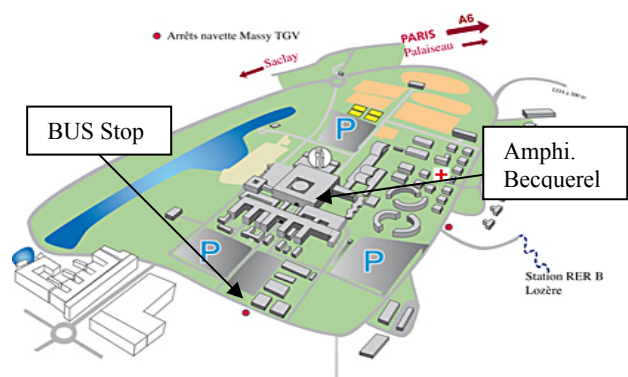


Google Earth GPS location: 48° 43' 35" N - 2° 15' 42" E

- Direct access to Paris, Charles De Gaulle Airport and Orly Airport can be done using the RER B (local train) from Massy: <http://www.ratp.fr/>  
- Hotels in Paris: [www.lpicm.polytechnique.fr/api09/accomodations.php](http://www.lpicm.polytechnique.fr/api09/accomodations.php)

## Access to Ecole polytechnique

Take Bus line 91.06 from "Massy Station" to "Ecole polytechnique, laboratories"  
Workshop meeting room: "Amphitheatre Becquerel"



[www.polytechnique.fr/campus/campus\\_plans.php](http://www.polytechnique.fr/campus/campus_plans.php)

## Preliminary Program

### Topic List

- Imaging Polarimetry
- Circular Dichroism and Optical Activity
- Scatterometry
- Mueller Matrix Algebra
- New Frontiers in Polarimetry
- Polarimetry in Astronomy

### Social Events

- Welcome Cocktail
- Gala Dinner in Paris

Detailed program: [www.lpicm.polytechnique.fr/api09/program.php](http://www.lpicm.polytechnique.fr/api09/program.php)

## Registration and Information

Dr. Enric Garcia-Caurel  
LPICM, Ecole Polytechnique, Route de Saclay, 91128, Palaiseau  
Tel: +33 (0)1 69 33 43 29  
e-mail: [polar.workshop@polytechnique.fr](mailto:polar.workshop@polytechnique.fr)  
website: [www.lpicm.polytechnique.fr/api09/index.php](http://www.lpicm.polytechnique.fr/api09/index.php)

## What is NanoCharm?

- An European project, under the Seventh Framework Programme (FP7).
- Multifunctional nanomaterials characterization using the polarization of light.

### Objectives of NanoCharm:

- To serve the characterization and needs of the nanoworld with special emphasis on ellipsometry and polarimetry.
- To provide a platform to communicate on nanomaterials and nanoapplications exploiting or requiring the polarization of light.
- To define the future of measuring tools.

- More Info: [www.nanocharm.org](http://www.nanocharm.org)

### Involved Partners:

- CNR-IMIP- Bari, Maria Losurdo
- CNRS - LPICM- Palaiseau, Antonello De Martino
- JKU - Linz, Kurt Hingerl
- ISAS - Berlin, Norbert Esser
- Brno University, Josef Humlicek
- IoF- Belgrade, Rados Gajic
- IoN - Edinburgh, Ottilia Saxl
- HORIBA Jobin-Yvon SAS, TFD, Denis Cattelan