

Summer School “Nanosciences in Ile de France”

Domaine du Tremblay, June 21-26, 2009

<http://www.cnanoidf.org/er2009>

The 2009 summer School “Nanosciences Ile de France” is the third issue of a series of yearly events. It emanates from the Center of Nanoscience in Ile-de-France (C’Nano IdF, <http://www.cnanoidf.org>), whose aim is to promote, coordinate, and bundle interdisciplinary research in the field of nanoscience for more than 80 laboratories in the Paris area.

The main objective of this school is interdisciplinary teaching in the fields of sciences exploring the nanoworld, from biology to quantum physics. It also focuses on the social impacts of those researches. The previous editions reflected these ideas with a very broad scientific program (<http://www.cnanoidf.org/summer-school-2007> and <http://www.cnanoidf.org/summer-school-2008>)

The 2009 school will include lectures on advanced domains in nanosciences given by international and French researchers well-known in their respective fields. It will be a unique opportunity for young researchers and students to meet at the same place those international senior scientists. Special events, like seminars or discussions, will be devoted to the social impacts of nanosciences (ethic, health, toxicity, law, regulation-jurisdiction...). Another session will provide an introduction on small-business start-up creation.

Two poster sessions will be organized during which the students will have to present their own work.

Application and registration

The total number of places is restricted to 60 participants. **Applications should reach the selection committee by April 30.** They will be examined by the selection committee according to their **order of arrival and their quality.** Answers will be given by the end of April.

An application form can be downloaded from the school website (<http://www.cnanoidf.org/er2009/registration/registration2009.html>). It should be sent back by Email to the appropriate Email address specified in the form. At least one recommendation letter is required; it can be sent independently to the same Email address.

School registration fees, including full board accommodation, are expected to be around 200€. More detailed information will be provided later by Email and on the school website.

Scientific program

Nanomagnetism & Spintronics

Mathias KLÄUI (University of Konstanz, Germany)
Claude FERMON (CEA/SPEC, France)

Nanobiosciences

Dennis DISCHER (University of Pennsylvania, USA)
Emmanuel FORT (ESPCI, France)
Michael ROUKES (Caltech, LETI, France)

Quantum & Molecular Electronics

Philip KIM (Columbia University, USA)
Benjamin HUARD (CNRS/ENS, France)

Nanochemistry

Bernd SMARSLY (University of Giessen, Germany)
Thierry GACOIN (CNRS/Ecole Polytechnique, France)

Nanophotonics & Quantum Information

Jelena VUCKOVIC (Stanford University, USA)
Tobias KIPPENBERG (ETH Zürich, Switzerland)

Nanofabrication & Nanostructuration

Serge TEDESCO (CEA/LETI, France)

Nanoscience & Society

Etienne KLEIN (CEA, France)

Venue and accomodation

The school will take place in a beautiful estate « Le Domaine du Tremblay » , 40 kms west of Paris. It is an old and sumptuous castle dating from King Louis XIII in the heart of the Rambouillet forest. It can be reached by car or public transportation. The school is planning to arrange shuttles, at arrival and departure dates, from downtown Paris.

The dates will be from Sunday June 21 evening to Friday June 26 afternoon.

The address is :

Domaine du Tremblay, Château du Tremblay, Place de l'Eglise, 78490 Le Tremblay sur Mauldre, France.

For more information the website is : www.domainedutremblay.com

School director : Gilles Nogues

Scientific and organisation committee : Bernard Bartenlian Christian Bonhomme, Dominique Mailly, Jean-Christophe Olivo-Marin, Frédéric Petroff, Bernard Plaçais, Marjorie Thomas.