

Theory days Stochastic and Dissipative effects

Nov 30, Dec 1 and 2, 2011

IRSAMC

Toulouse

Multi-ionization
Photodissociation
Time Dependent DFT
Surface Hopping
Non adiabatic effects ...

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THEORY DAYS ON STOCHASTIC AND DISSIPATIVE EFFECTS

Toulouse, November 30, December 1 and 2 2011

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1 Scientific program

The detailed program can be found at the end of this announcement. The speakers are listed below :

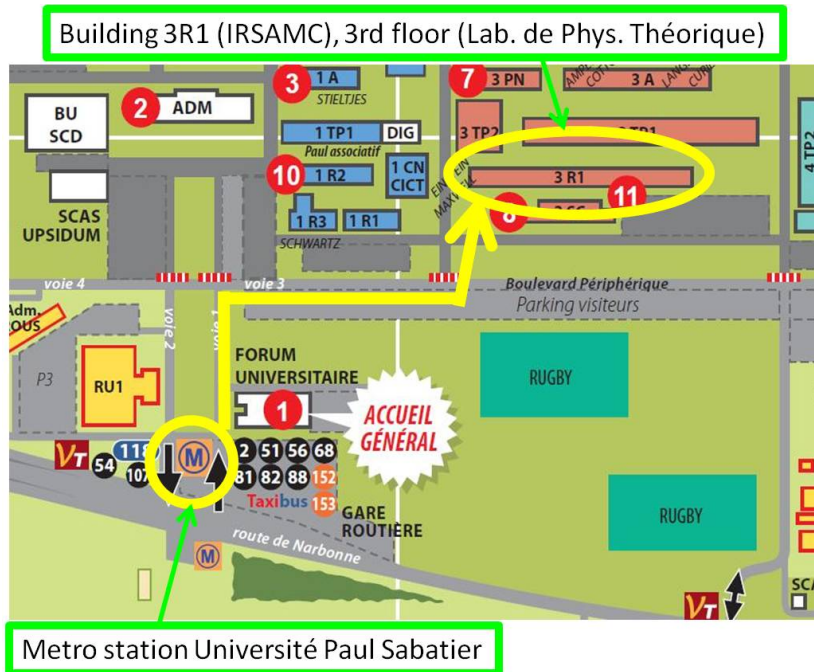
- Heiko Appel (Fritz Haber Institute, Berlin, Germany)
- Thomas Fennel (Department of Physics, Universität Rostock, Germany)
- Franck Lépine (Laboratoire de Spectrométrie Ionique et Moléculaire, Université Claude Bernard Lyon 1, France)
- Robert van Leeuwen (Department of Physics, Nanoscience Center, University of Jyväskylä, Finland)
- Neepa T. Maitra (Department of Physics and Astronomy, Hunter College, New-York, USA)
- Chris Meier (LCAR, University Toulouse, France)
- Kasia Pernal (Institute of Physics, Technical University of Łódź, Poland)
- Thomas Raitza (Theoretical Physicsm University Rostock, Germany)
- Jan-Michael Rost (Max Planck Institute For the Physics of Complex systems, Dresden, Germany)
- Angel Rubio (Nano-bio spectroscopy group, San Sebastian, Basque Country, Spain)
- Cédric Simenel (IRFU, CEA-Saclay, France)
- Lorenzo Stella (Nanobio Spectro Group, San Sebastian, Spain)
- Valérie Vényard (Laboratoire des Solides Irradiés, École Polytechnique, France)
- Yang Wang (Department of Chemistry, Universidad Autónoma de Madrid, Spain)

2 Lodging, meeting place and meals

We cover lodging, meals, and local transportation during the duration of the workshop (arrival Nov 30, departure Dec 2). The participants should then note that the travel costs will not be covered.

Participants will be lodged at the hotel Victor Hugo in Toulouse (<http://www.victorhugo-hotel.com/>) in between the metro stations Jeanne d'Arc and Jean Jaurès on line B, and also to the Jeanne d'Arc stop of the airport shuttle.

The metro line B connects downtown to university. Travel takes about 15 minutes with trains every few minutes (less than 5 min). Participants will be given metro tickets when arrived at the workshop place. Meeting will take place at IRSAMC in the University Campus, see map below. Metro tickets will be provided to all participants.



Lunches will take place in a restaurant of the CNRS, close to the university, and will be covered. Dinners, also covered, will take place at the Brasserie Flo Les Beaux Arts, downtown near the Garonne River, see :

<http://www.flobrasseries.com/brasseries/index.asp?brasserie=11>

3 Access to Toulouse

Airports

Toulouse airport is connected to major west European airports and hubs (Paris Orly and Roissy Charles de Gaulle, Munich, Frankfurt, London, Amsterdam) with regular connections by Air France/KLM, Lufthansa, British Airways for the major companies and also with connections by (Low Cost) Easy Jet. Plane provides by far the simplest access to Toulouse with reasonable fees for sufficiently early booking.

<http://www.toulouse.aeroport.fr/>

There is a shuttle to downtown (first stop at Compans Caffarelli, on line B of metro) every 20 mn (cost is 5 euros one way); for details, see

<http://www.toulouse.aeroport.fr/fr/aeroport/acces-plans-parkings/acces/se-deplacer-en-transport-en-commun>

As soon as one catches the shuttle, it takes about half an hour to get to the University thanks to the connection with line B at Compans Caffarelli station.

Participants can be reimbursed for these 10 euros; however reimbursement will occur at best several weeks afterwards. It is thus much simpler if each participant's institution can cover these airport shuttle tickets.

An alternative access is provided by Carcassonne airport (about 45 minutes by car from Toulouse) which has a Low Cost access through Ryanair

<http://www.carcassonne.aeroport.fr/>

In case of major problem, we shall organize some transfer. It would be useful to know sufficiently in advance such details.

Train

Central station is Toulouse Matabiau connected to line A of metro (see below) and is connected to major french cities.

<http://www.gares-en-mouvement.com/gare-fr-1-frxyt.html>

Metro

Metro and bus connections (general) : <http://www.tisseo-urbain.fr/horaires/>

line A (train station to downtown) : <http://www.tisseo-urbain.fr/734991.pdf>

line B (downtown to university) : <http://www.tisseo-urbain.fr/734994.pdf>

Dissipative and Stochastic Effects Program

Wed 12:00 – 13:45	Lunch	CNRS restaurant	
Wed 14:00 – 15:00	Franck Lépine	LASIM, Lyon, France franck.lepine@lasim.univ-lyon1.fr	Atomic & molecular physics using modern light sources: the experimental point of view
Wed 15:00 – 16:00	Jan-Michael Rost	MPIMKS, Dresden, Germany rost@mpipks-dresden.mpg.de	Massively parallel ionization
Wed 16:15 – 17:15	Heiko Appel	Fritz-Haber-Institut der Max-Planck-Gesellschaft appel@fhi-berlin.mpg.de	Stochastic unravelling of interactions in quantum molecular dynamics
Wed 17:15 – 18:15	Chris Meier	LCAR, Toulouse, France chris@irsamc.ups-tlse.fr	Non-Markovian dynamics under intense field
Wed 20:00 – 22:00	Dinner	Brasserie Flo les Beaux Arts	
Thu 09:00 – 10:00	Thomas Raitza	Theoretical Phys., Univ. Rostock, Germany gerd.roepke@uni-rostock.de	Spatially resolved collective dynamics of excited clusters
Thu 10:00 – 11:00	Thomas Fennel	Institute Physics, Rostock, Germany thomas.fennel@uni-rostock.de	Attosecond dynamics in laser-irradiated clusters
Thu 11:15 – 12:15	Cédric Simenel	IRFU, CEA/Saclay, France cedric.simenel@cea.fr	Descriptions of transfer reactions with the Balian-Vénéroni variational principle
Thu 12:15 – 12:45	Discussion 1		
Thu 13:00 – 13:45	Lunch	Seminar room, IRSAMC	
Thu 13:45 – 14:45	Lorenzo Stella	Nanobio Spectro Group, San Sebastian, Spain lorenzo.stella@ehu.es	Quantum electron-ion (de)coherence: an atomistic approach
Thu 14:45 – 15:45	Neepa Maitra	Hunter College, University of New York, USA nmaitra@hunter.cuny.edu	Electron correlation via semiclassical dynamics: improving approximate TDDFT/DMFT for strong-field processes
Thu 16:00 – 17:00	Angel Rubio	Dept Materials Science, Faculty Chemistry, Univ. Basque Country angel.rubio@ehu.es	Non equilibrium dynamical simulations of complex systems from tddft
Thu 17:00 - 18:00	Robert van Leeuwen	Dept Physics, Univ. Jyväskylä, Finland robert.vanleeuwen@jyu.fi	Kadanoff-Baym approach to nonequilibrium phenomena in many-body systems
Thu 20:00 – 22:00	Dinner	Brasserie Flo les Beaux Arts	

Theory Days 2011

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Dissipative and Stochastic Effects Program

Fri 09:00 – 10:00	Yang Wang	Dept Quimica, Univ. Autonoma Madrid, Spain yang.wang@uam.es	Structures, energetics and dynamics of helium adsorbed on fullerene ions
Fri 10:00 – 11:00	Kasia Pernal	Institute Physics, Technical Univ. Lodz, Poland pernal@gmail.com	Going beyond one-particle approximation in linear response theory
Fri 11:15 – 12:15	Valérie Véniard	LSI, Ecole Polytechnique, Palaiseau, France valerie.veniard@polytechnique.fr	Photoionisation of atoms using Time-dependent Density functional Theory
Fri 12:15 - 12:45	Discussion 2		
Fri 13:00 – 14:30	Lunch		CNRS restaurant