



# CONDENSED MATTER IN PARIS 2014

**CMD 25 - JMC 14**  
August 24th - 29th  
2014

Université  
PARIS DESCARTES



Dear Colleague,

It is our pleasure to announce the upcoming conference "Condensed Matter in Paris" that will gather more than 1000 scientists from all over Europe. This major scientific event will be the first joint conference of the European Physical Society (25<sup>th</sup> Conference of the EPS Condensed Matter Division, CMD-25) and the French Physical Society (14<sup>th</sup> Journées de la Matière Condensée) since 1998. Until now, these two conferences have been held separately every two years.

The joint conference "Condensed Matter in Paris" will provide a unique forum for the presentation of research work across the full range of condensed matter physics to a wide European audience, gathering students, academics and industrial researchers.

"Condensed Matter in Paris" will be held in the heart of Paris from August 24<sup>th</sup> through 29<sup>th</sup>, 2014. The conference program will include plenary talks by outstanding scientists, oral sessions, including invited and contributed presentations in a large number of parallel sessions, and ample time for posters and discussion. A large exhibition will be held alongside the conference.

Please find attached the first flyer announcing this event. Please note that the registration rates are deliberately kept extremely low, especially for the benefit of students and active young researchers, in order to maximize the audience. Therefore, we will really appreciate your financial support in funding this event up to X keuros. As an official conference sponsor, your organization logo will appear in the conference/exhibition book and on the main conference website, including a link to your homepage.

On behalf of the local organizing committee, we thank you very much in advance and are looking forward to meeting you in the beautiful city of Paris!

Bienvenue à Paris,

Kees van der Beek  
*on behalf of the Local Organizing Committee*



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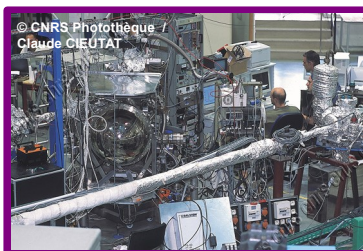
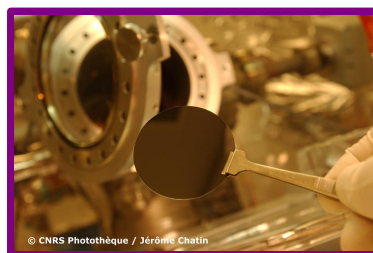
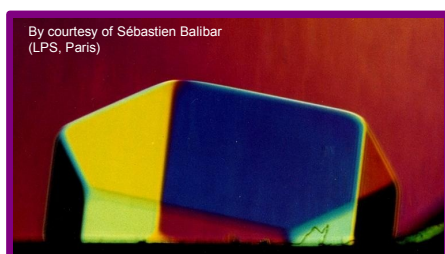


## Conference scope

The conference scope covers the large spectrum of condensed matter physics. Topics for CMD25/JMC14 will, in particular, include:

- Semiconductors
- Carbon including Nanotubes, Graphene, Diamond
- Polymers / Soft Condensed Matter
- Materials for energy
- Magnetism / Spintronics / Inter-Metallic Phases
- Liquids
- Low Temperature / Superconductivity / Correlated fermions
- Biophysics and life science/ microfluidics
- Mesoscopic physics
- Nanostructures and nanotechnologies
- Nanophotonics / Nonlinear Optics / Ultrafast optical spectroscopy
- Physical metallurgy
- Mechanics and plasticity / Surface physics
- Quantum fluids / Quantum electronics
- Micro- and nano-thermics
- Theory/Computational Physics
- Microscopies & local probes
- Neutron / X-ray scattering

Special emphasis will be put on interdisciplinary research and major research facilities (neutron sources, free electron laser, synchrotron radiation...).



## Location

The conference will take place in the Centre Universitaire des Saints Pères in the Saint Germain des Prés district right in the center of Paris.



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## Conference program

### Plenary lectures

Six plenary lectures will be delivered to the audience of "Condensed Matter in Paris". Their length is one hour, including discussion. Present plenary lecturers are:

- Richard BERRY from University of Oxford, Department of Physics (UK)
- Thierry GIANARCHI from University of Geneva (Switzerland)
- Bernard GIL from LCC, University Montpellier II (France)
- Detlef LOHSE from Physics of Fluids, Universiteit Twente (the Netherlands)
- Lucia REINING from LSI, Ecole Polytechnique, Palaiseau (France)
- Felix VON OPPEN from FUB, Faculty of physics, Berlin (Germany)

### Semi-plenary lectures

In addition to these broad-audience lectures, the program will include fifteen semi-plenary invited presentations in five parallel sessions. They will contain relatively broad introductions and also last one hour. Present semi-plenary lecturers are:

- Sara BALS from EMAT, Antwerpen (Belgium)
- Hannes BERNIEN from Delft University of Technology (the Netherlands)
- Patrick CORDIER from Université de Lille 1 (France)
- Florence GAZEAU from Université Paris Diderot (France)
- Francisco GUINEA from CSIC, Madrid (Spain)
- Cyrus F. HIRJIBEHEDIN from London Centre for Nanotechnology, UCL (UK)
- Christoph LIENAU from Carl von Ossietzky Universität, Oldenburg (Germany)
- Jörg NEUGEBAUER from ICAMS, Düsseldorf (Germany)
- Jukka PEKOLA from O.V. Lounasmaa Laboratory - Aalto University (Finland)
- Olivier POULIQUEN from IUSTI - Marseille (France)
- Theo RASING from Radboud University, Nijmegen (The Netherlands)
- Sylvie ROKE from Ecole Polytechnique Fédérale de Lausanne (Switzerland)
- Hermann SUDEROW from Universidad Autonoma de Madrid (Spain)
- Alessandro TREDICUCCI from NEST, Pisa (Italia)
- Roser VALENTI from Institut für Theoretische Physik, Frankfurt (Germany)

### Specific colloquia and poster sessions

The largest and most important part of the Condensed Matter in Paris / CMD25-JMC14 program are the colloquia that will gather specific scientific communities. Colloquia are directly inspired from the Minicolloques sessions at previous JMC meetings, and will come in place of CMD Symposia. Forty to fifty more specific colloquia covering the whole spectrum of condensed matter physics will be held in three parallel sessions. They will emanate from proposals by condensed matter physicists active in Europe. The aim of these colloquia, each of which will last three to four hours, is to provide a forum focused on a specific field of research, with, again, a broad introduction, followed by talks covering specific detailed aspects of the field, and ample opportunity for the discussion on both novel and established topics, and for the exchange of information between scientists working in other areas of condensed matter physics. The colloquia will gather European specialists (students and scientists) reporting on the most recent advances in condensed matter physics via 15- and 30-minute talks, and introducing to non-specialists the major issues of the field via tutorials. The colloquia will be supplemented by three large poster sessions.

### Exhibition and job fair

A large exhibition will be running alongside the conference, and a job fair will be organized on Wednesday afternoon.

The meeting will offer a rich scientific program, which is available for download via the link <http://cmd25jmc14.sciencesconf.org/program>

The program will also include social events, in particular, a banquet on Wednesday evening.



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## Conference timetable

	Sun. 24	Mon. 25	Tue. 26	Wed. 27	Thu. 28	Fri. 29
08:00						
		Registration				
09:00		Opening	Plenary	Plenary	Plenary	Plenary
		Opening				
10:00		Plenary	Coffee break	Coffee break	Coffee break	Coffee break
			Semi-plenary	Semi-plenary	Semi-plenary	Semi-plenary
11:00		Coffee break				
		Colloquia	Colloquia	Semi-plenary	Colloquia	Plenary
12:00						
		Lunch	Lunch	Lunch	Lunch	Closing session
13:00						
14:00		Colloquia	Colloquia	Prize session	Colloquia	
15:00						
16:00	Registration			Coffee break		
		Coffee break	Coffee break	Special sessions	Coffee break	
17:00		Posters	Posters	(Job fair, technology transfer, future of publishing)	Posters	
18:00						



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## Local Organizing Committee

Chairman: Kees VAN DER BEEK Ecole Polytechnique / CNRS / CEA-IRAMIS, Palaiseau

Mokhtar ADDA-BEDIA	Ecole Normale Supérieure / CNRS, Paris
Michel GOLDMANN	Université Paris Descartes, Paris
Samuel GUIBAL	Université Paris Diderot / CNRS, Paris
Mathieu KOCIAK	Université Paris-Sud / CNRS, Orsay
Emmanuelle LACAZE	Université Paris Pierre et Marie Curie / CNRS, Paris
Annick LOISEAU	ONERA / CNRS, Châtillon
Marie-Aude MEASSON	Université Paris Diderot / CNRS, Paris
Franck PIGEONNEAU	Saint Gobain Recherche, Aubervilliers
Bernard PLACAIS	Ecole Normale Supérieure / CNRS, Paris
Amina TALEB-IBRAHIMI	CNRS, Saint Aubin
Isabelle ROBERT-PHILIP	CNRS, Marcoussis

## Program Committee

Jean-François ALLEMAND	Paris, France	Marc LEONETTI	Marseille, France
Abilio ALMEIDA	Porto, Portugal	Anna MINGUZZI	Grenoble, France
Brice ARNAUD	Rennes, France	Sandrine MORIN	Rouen, France
Sébastien BALIBAR	Paris, France	Thierry ONDARCUHU	Toulouse, France
Gérald BASTARD	Paris, France	Eoin O'REILLY	Cork, Ireland
Lucien BESOMBES	Grenoble, France	Ludovic PAUCHARD	Orsay, France
Silke BIERMANN	Palaiseau, France	Franck PIGEONNEAU	Aubervilliers, France
Annette BUSSMAN-HOLDER	Stuttgart, Germany & Basel, Switzerland	Laurent PIZZAGALLI	Poitiers, France
Cécile COTTIN-BIZONNE	Lyon, France	Jérôme PLAIN	Troyes, France
Chuchun FU	Saclay, France	Gunter REITER	Freiburg, Germany
Pierre GILLIOT	Strasbourg, France	Petra RUDOLF	Groningen, Netherlands
Denis GRATIAS	Châtillon, France	Olivier SANDRE	Bordeaux, France
Henri GODFRIN	Grenoble, France	Vladimir SECHOVSKY	Prague, Czech Republic
Georg HELD	Reading, UK	Abdelillah SLAOUI	Strasbourg, France
Ricardo IBARRA	Zaragoza, Spain	Lucia SORBA	Pisa, Italy
Czeslaw KAPUSTA	Krakow, Poland	Amina TALEB-IBRAHIMI	Saint-Aubin, France
Mathieu KOCIAK	Orsay, France	Margarida TELO DA GAMA	Lisbon, Portugal
Emmanuelle LACAZE	Paris, France	Jérôme TIGNON	Paris, France
		Kees VAN DER BEEK	Palaiseau, France

## Advisory Committee

Ulrich ECKERN	Augsburg, Germany (DPG)
Klaus RICHTER	Regensburg, Germany (DPG)
Jan VAN RUITENBEEK	Leiden, the Netherlands (NNV)
Regine VON KLITZING	Berlin, Germany (DPG)
Christian RUEEGG	Villigen, Switzerland (SPS/SPG/SSP)
Erich RUNGE	Oldenburg, Germany (DPG)
Luis VINA	Universidad Autonoma de Madrid (RSEF)



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## Conference budget

Expenses		Incomes	
Salary of the Conference secretary	51 k€	Participant registration fees (300 € x 600)	180 k€
Conference site Rent	80 k€	Young researchers registration fees (150 € x 550)	82,5 k€
Security and cleaning	10 k€	Exhibition	45,5 k€
Young researchers grants	15 k€	DIM NanoK	10 k€
Participants meals and coffee breaks	60 k€	CNRS	6 k€
Website and communication	20 k€	RTRA Triangle de la physique	5 k€
Audio/video transmission	6 k€	Ecole Polytechnique	4 k€
Banquet	55 k€	DGA	5 k€
Social events	40 k€	UFR Universités Paris VI, VII, XI et XIII	4 k€
Invited plenary speakers stay and travel	20 k€	Labex NanoSaclay, PALM, MATISSE et PSL	6 k€
USB keys and delegate bags	10 k€	Ministère de la Recherche	5 k€
Printing of the onference guide	5 k€	Fondation Pierre-Gilles de Gennes	2 k€
Insurances	5 k€	CEA	5 k€
		IUPAP	2 k€
		Ville de Paris	10 k€
		ONERA	5 k€
<b>Total</b>	<b>377 k€</b>	<b>Total</b>	<b>377 k€</b>