



ISGS Summer School 2014

6-10 July 2014

Paris - France



The 4th edition of the ISGS Summer School

Young researchers and experienced scientists are invited to attend the ISGS Summer School 2014 "Sol-Gel characterization techniques and Bio-related sol-gel materials"

- **COURSES** - 11 international experts coming from both Academia and Industry will cover topics ranging from sol-gel chemistry to advanced characterization techniques and bio-related sol-gel materials during an intensive 3-day program.
- **POSTER SESSION** - Participants will have the opportunity to display their work and results.
- **INDUSTRIAL EXHIBITION** - Companies or institutions wishing to sponsor ISGS Summer School 2014 or to exhibit during the school are warmly welcome.

PROGRAM

Sunday 6 July	
16:00-21:00	Arrival at CIUP Fondation Deutsch de la Meuse building
18:30-21:00	Welcome reception – wine & cheese Fondation Deutsch de la Meuse building
	
Monday 7 July - Characterization 1 (Fundamentals/Mechanical Properties/Porosity)	
8:45-09:00	Florence Babonneau, UPMC, CNRS – Paris, France & Géraud Dubois, IBM Stanford University – USA <i>Program presentation</i>
09:00-10:30	Christophe Barbe - Ceramisphere, Australia <i>Sol-Gel Science and Technology: Your imagination is the limit. From fundamentals to starting your own business.</i>
10:30-11:00	Coffee break
11:00-12:30	Géraud Dubois - IBM Almaden Research Center and Stanford University - San Jose, California <i>Thin film mechanical properties.</i>
12:30-14:00	Lunch
14:00-15:30	Philipp Llewellyn - CNRS, Université de Provence - Marseille, France <i>Characterization of porosity in solids. Part I - theory</i>
15:30-16:00	Coffee break
16:00-17:00	Philipp Llewellyn - CNRS, Université de Provence - Marseille, France <i>Characterization of porosity in solids. Part II - practical aspects</i>
17:00-18:00	Open discussion with speakers
19:30-23:00	Banquet at the 24 th floor of the Tour Zamansky
	
Tuesday 8 July - Characterization 2 (X-Ray, Microscopy, EP, NMR)	
09:00-10:30	François Fabreguette - Micron Technology – Boise, Idaho Area, USA <i>Applications of X-Ray diffraction and reflectivity techniques.</i>
10:30-11:00	Coffee break

11:00-12:30	Nicola Pinna - Institut für Chemie, Humboldt-Universität - Berlin, Germany <i>Electron microscopy.</i>
12:30-14:00	Lunch
14:00-15:30	Cédric Boissière - CNRS, Collège de France - Paris, France <i>Ellipsometry for thin film analyses.</i>
15:30-16:00	Coffee break
16:00-17:30	Christian Bonhomme - Université Pierre et Marie Curie, Collège de France - Paris, France <i>Advanced NMR techniques for nanomaterials.</i>
17:30-18:30	Open discussion with speakers
18:30...	Free evening
Wednesday 9 July - Bio-materials	
09:00-10:30	Mika Linden - Inorganic Chemistry II, University of Ulm - Ulm, Germany <i>Mesoporous silica nanoparticles for theranostics.</i>
10:30-11:00	Coffee break
11:00-12:30	Danielle Laurencin - Institut Charles Gerhardt - Montpellier, France <i>Sol-gel materials for drug delivery applications</i>
12:30-14:00	Lunch
14:00-15:30	Thibaud Coradin - CNRS, LCMCP, Collège de France - Paris, France <i>Characterizing biological processes within sol-gel materials.</i>
15:30-16:00	Coffee break
16:00-17:30	Julian Jones - Imperial College London, Faculty of Engineering, Department of Materials – London, UK <i>Sol-gel glasses and hybrids in regenerative medicine.</i>
17:30-18:30	Open discussion with speakers
18:30...	Free evening
Thursday 10 July	
08:30-09:00	Departure

ONLINE REGISTRATION ON ISGS WEBSITE

Registration fees *		Lodging at CIUP **		Not lodging at CIUP	
ISGS member	regular	1000 €	1400 \$	850 €	1190 \$
	student	900 €	1260 \$	750 €	1050 \$
Non ISGS member	regular	1100 €	1540 \$	950 €	1330 \$
	student	1000 €	1400 \$	850 €	1190 \$
Accompanying		500 €	700 \$		
exhibitor		1550 €	2140 \$	1400 €	1930 \$
One day	ISGS mbr			250 €	345 \$
	Non ISG mbr			300 €	414 \$

* The registration fees include: access to all courses and materials, lunches, coffee-breaks, banquet and, in option, accommodation for 4 nights at the Cité Internationale Universitaire and breakfasts.

** Housing at CIUP is in double occupancy dormitory rooms with bathroom and kitchen on floor and is available from Sunday July 6 arrival through Thursday July 10 departure.

Booking on a first come first served basis.

ISGS SUMMER SCHOOL ORGANIZATION

Geraud Dubois, IBM Almaden Research Center and Stanford University, USA
 Florence Babonneau, CNRS - LCMCP - UPMC and Collège de France, France
 Armelle Guilloux, ISGS secretariat, ellipse&co, France

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ISGS WEBSITE

www.isgs.org