

# Hercules Specialised Courses

Directed by José BARUCHEL and Jean-René REGNARD

## Synchrotron Radiation Techniques contribution to nanoscience

Grenoble, 18<sup>th</sup> to 22<sup>nd</sup> May 2009

### Lecturers:

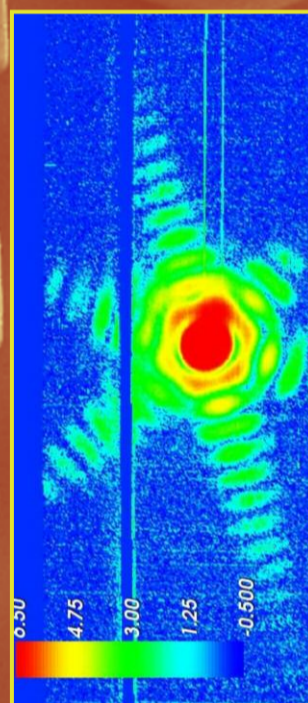
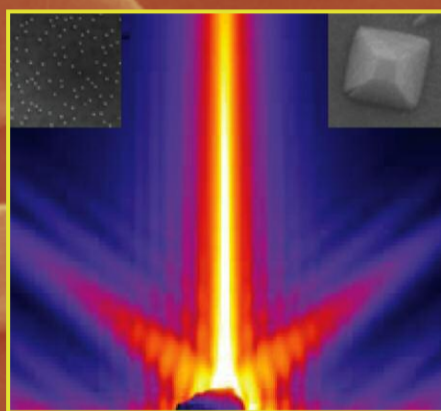
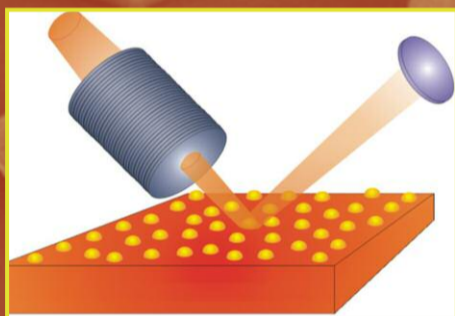
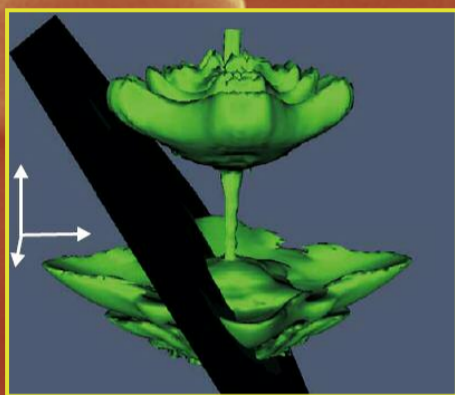
- Thomas CORNELIUS
- Marine COTTE
- Christian DAVID
- Michael FARLE
- Alain FONTAINE
- Jean-Michel GÉRARD
- Carlo LAMBERTI
- Henri MARIETTE
- Cristian MOCUTA
- Mark NEWTON
- Richard ORTEGA
- Alexandre SIMIONOVICI
- Armando SOLE
- Julian STANGL
- Olivier TILLEMENT
- Laszlo VINCZE
- Jan VOGEL

### Organised by:

- José BARUCHEL
- Nick BROOKES
- Manfred BURGHAMMER
- Till Harmut METZGER
- Sakura PASCARELLI

### Secretary:

- Nadine PETRICOLA, ESRF



Using synchrotron sources for nanosciences is already well developed and keeps improving since these sources and their instrumentation are constantly progressing and are more and more adapted to a large range of studies conducted on semiconductors, magnetism and biomedicine. HSC10 will cover these different aspects and will take place in Grenoble from 18 to 22 May 2009. After a scientific introduction, the first two days of the course will highlight the x-ray techniques used and advances made in the optics that allow to focus the X-ray beam to nanometre dimensions. The third and fourth day will be totally devoted to practical courses on several synchrotron beamlines and the last day will be dedicated to applications in different subjects ranging from quantum dots to magnetism in nanodomains and to nanoparticles in biomedicine.

[www.esrf.fr/events/conferences/HSC/HSC10](http://www.esrf.fr/events/conferences/HSC/HSC10)

Registration Deadline: 10<sup>th</sup> March 2009

LIMITED TO 25 PARTICIPANTS:  
PhD students, post-docs,  
junior scientists

FORTHCOMING HERCULES SPECIALISED COURSES 2009

Please check our webpages:

<http://www.esrf.eu/events/conferences/HSC/>



NANOSCIENCES GRENOBLE  
RÉSEAU THÉMATIQUE DE RECHERCHE AVANCÉE

