

(BCNano)^{'11}

UNIVERSITY. INDUSTRY. FUTURE

Organized by **CCiTUB**

Barcelona, 19-23th of September 2011

Venue: Physics Faculty of the University of Barcelona

Host: **Nanometric Techniques Unit**

Sessions. Oral presentations

A new generation of Nanomechanics
Chemistry on the Nanoscale
Focus on Bio by means of SPM
II SPM Workshop applied to Industry
Advanced Optical Microscopy: new trends

Debate session

R&nTD in the University/CCiTUB: New name, new objectives
25 Years of Scanning Probe Microscopies
Catalonia-Aragon research Institutes
Nano on PIMEC: New challenges, new opportunities
3D-Measurements on automotive industry

Hands-on demos with cutting-edge nanotools

Mecwins Scala. Multicantilever sensor system
Bruker Dimension Icon / Contour GT-K1
Asylum Research Cypher AFM
Renishaw-Nanonics AFM+Raman system
Leica DCM 3D interferometer+ confocal

Early bird special registration (before 30th of June)!

 **SCIENTEC**


mecwins
Innovation in nanomechanics for biotechnology


Telstar
Instruments for solutions


AtomicForce


RENISHAW
apply innovation™


Leica
MICROSYSTEMS


BRUKER


ASYLUM RESEARCH
Atomic Force Microscopes

Scope of the meeting

BCNano¹¹ goal is two-fold: first of all, we want this meeting to be the right spot to learn about nanotechnology, both from the university and industry point of view. Second, and thanks to debate forums, hands-on practical demos and poster sessions, we intend BCNano¹¹ to be a generator of scientific relationships between researchers and also between industry and academia. Because the future of Nanotechnology relies on both of them.

Confirmed Speakers (as of 11th of April, 2011)

Prof. Fausto Sanz (UB, IBEC)
 Prof. Joan Ramon Daban (UAB)
 Dr. Andreu Cabot (IREC)
 Dr. Pau Gorostiza (IBEC)
 Dr. Albert Verdaguer (CIN2)
 Dr. Aitor Mugarza (ICN)
 Dr. Ismael Díez (Arizona State University, IBEC)
 Prof. Pilar Cea (University of Zaragoza)
 Prof. Luis Oriol (University of Zaragoza)
 Dr. Juan Josep Roa (University of Poitiers)

Scientific Committee and Organizers

Dr. Ramón Seoane (CCiTUB)
 Dra. Francesca Gallego (CCiTUB)
 Dr. Jordi Díaz (CCiTUB)*
 Dr. Gerard Oncins (CCiTUB)*
 Prof. Fausto Sanz (UB, IBEC)
 Dr. Pau Gorostiza (IBEC)
 Prof. Mercè Segarra (UB, DIOPMA)
 Dr. Ismael Díez (Arizona State University, IBEC)
 Llorenç Bautista (LEITAT)

*Host

Two meetings together!

Session I (19th to 21st of September)

A new generation of Nanomechanics
 Chemistry on the Nanoscale
 Focus on Bio by means of SPM

Session II (22nd to 23rd of September)

II SPM Workshop applied to Industry
 Advanced Optical Microscopy: new trends

Share your results

We encourage you to submit your proposals for **oral presentations** (15min + 5min questions) or **poster exhibition**. There will be 3 different poster sessions (Monday to Wednesday). Submit your abstract (maximum 1 DinA4 page) at nano@ccit.ub.edu before the 30th of July.

Hands-on practice. Ask the experts!

There will be 5 different hands-on sessions with state-of-the-art equipment that will be operated by application technicians. You are highly encouraged to bring your samples for full analysis. In that case, contact us at nano@ccit.ub.edu detailing the sort of measurement you want to perform. We can help you to prepare the sample *in-situ* if you need really fresh preparations.

Travel grants and special accommodation for students

As we want you to join us in BCNano¹¹, travel grants will be issued for students that submit their work for oral or poster sessions. Please, indicate in your abstract if you want to apply for a travel grant when you submit it. We are searching for low budget accommodation in the area, so keep an eye on the web. We will keep you informed!

	19/09	20/09	21/09	22/09	23/09
	A new generation of nanomechanics	Chemistry on the Nanoscale: SPM New trends	Focus on Bio by means of SPM	II SPM Workshop applied to Industry	Advanced Optical Microscopy: New trends
9:20h-10:20h	Registration	Oral session	Oral session	Registration	Oral session
10:20h-10:40h	Oral session	Coffee break	Coffee break	Oral session	Coffee break
10:40h-11:40h	Oral session	Oral session	Oral session	Oral session	Oral session
11:40h-12:30h	Plenary session	Plenary session	Plenary session	Plenary session	Plenary session
12:30h-13:30h	R&nTD in the University/CCITUB: New name, new objectives	Catalonia-Aragon Research Institutes	25 Years of SPM	Nano on PIMEC: New challenges, new opportunities	3D-Measurements on automotive industry
13:30h-15:00h	Lunch	Lunch	Lunch	Lunch	Lunch
15:00h-16:30h	Nanomechanical biosensors by MECWINS	AFM for Advanced Research and Industrial applications by BRUKER	Materials Science applications by ASYLUM RESEARCH	AFM-RAMAN combination: new perspectives by NANONICS-RENISHAW	Advanced Optical Microscopy for Materials by LEICA
16:30h-18:00h		Breaking the diffraction limit new Acuity method by BRUKER	Poster session	Poster session	
18:00h-19:00h	Poster session	Poster session	Poster session		
21:00h			Gala dinner		



**Centres Científics i Tecnològics
Universitat de Barcelona**
 Baldrià Reixac, 10-12
 Edifici Clúster Parc Científic
 08028 Barcelona
 info@sct.ub.es
<http://www.sct.ub.es>
<http://www.ccit.ub.edu>

BCNano'11. Registration
 Registration Centre
 Centres Científics i Tecnològics
 Universitat de Barcelona
 Solé i Sabarís, 1-3
 08028 Barcelona
 nano@ccit.ub.edu

BCNano'11
Barcelona, September 19th-23th, 2011

Registration Form

As the number of participants is limited, the registration must be paid only after your registration has been accepted by e-mail.

Personal Data			
Given Name			
Family Name			
E-mail			
Title			
Affiliation (University / Institute, etc.)			
City		Postal address	
Phone		Fax	
Comments or requests			

Registration Fees	Until 30/06/2011	Until 15/09/2011
Regular (lectures and demos). Session I	150 €	180 €
Regular (lectures and demos). Session II	150 €	180 €
Regular (lectures and demos). Session I+II	250 €	300 €
Will you need an Invoice?	NO:..... //YES:.....	In this cas: VAT Nr:.....

Pagament	
Bank transfer to	LA CAIXA D'ESTALVIS I PENSIONS DE BARCELONA
Title	UNIVERSITAT DE BARCELONA
IBAN	ES63 2100 3642 1122 0010 6701
BIC or SWIFT	CAIXESBBXXX
Account number	2100 3642 11 2200106701
Address	Gran Via de les Corts Catalanes, 585. ES-08007 Barcelona (Spain)
Reference	BCNano11 and participant's name

*Be sure that your name and the reference appear in the bank transfer document.
 Set the correct session/s number/s
 In order to be registered a copy of the bank statement must be sent by fax (+34 934021398) or e-mail to this address: bcnano11@ccit.ub.edu*