

***Workshop on electrostatic effects in soft matter***

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E-08193 Bellaterra (Spain)

**Organization**

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**Official Language:** English

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**More Information**

<http://www.icmab.es/softmatter2008>



***Workshop on electrostatic effects  
in soft matter: bringing  
experiments, theory and  
simulations together***



**April 10 – 11, 2008  
Bellaterra (Barcelona), Spain**

**First Announcement**

<http://www.icmab.es/softmatter2008>

# Workshop on electrostatic effects in soft matter: bringing experiments, theory and simulations together

## Scope

The objective of the workshop will be promote discussion and interaction between scientists with different backgrounds or different approaches, bringing together the most significant results from experiments, theory and simulation. The focus is on **electrostatic effects beyond the classical Poisson-Boltzmann description** such as:

- Charge inversion in electrolyte solution: different approaches from physics and chemistry.
- Charge inversion in real systems: colloids, surfactant systems, membranes, DNA, polyelectrolytes, microfluidic devices,...
- Discrete charge effects in soft matter interactions (including biological membranes, DNA,...).
- Statistical mechanics of electrolytes.
- Ions and water near interfaces and charged surfaces. Specific ion effects.
- Effect of hydration and hydrophobic forces on the stability of nanoparticles, colloids and surfactant systems (such as Newton Black Films).
- Fundamental questions in electrokinetic phenomena (electrophoresis, electroosmosis, ...)

## Call for contributions

Scientists interested in presenting an oral contribution of original work of special importance or an incisive and provocative review of topics of interest to the workshop are encouraged to directly inquiry by e-mail:

[softmatter2008@icmab.es](mailto:softmatter2008@icmab.es)

In addition, we accept submissions of abstracts for a limited number of oral contributions and also for the poster session. Please, follow the instructions in our Web page:

<http://www.icmab.es/softmatter2008>

## Deadlines

- Abstracts for contributed papers: February 29
- Acceptance of abstracts: March 7
- Registration: March 10

# Workshop on electrostatic effects in soft matter: bringing experiments, theory and simulations together

to be held at Bellaterra (near Barcelona), Spain

April 10-11, 2008

## Preliminary registration

Surname:

First name:

Title:

Institution:

Street:

Zip code: ..... City: .....

Country:

Telephone:

Fax:

e-mail:

I intend to submit a paper or a poster:

☐ No.

☐ Yes with the following title, or on the following topics:

