

# CrystallographyOnline: InternationalSchoolon theUseandApplications oftheBilbao Crystallographic Server

Lekeitio (Spain)

## Main topics

21 - 27 June 2009

- Symmetry databases for point and space groups
- Applications of group-subgroup relations between space groups
- Crystal-structure transformations and alternative descriptions
- Solid-state applications of group theory
- Selection rules in spectroscopy; phonon-selection rules
- Structural pseudosymmetry
- Symmetry-mode analysis of ferroic structures
- Domain-structure analysis
- Structural phase transitions
- Symmetry in ab-initio calculations

## Contact:

Webpage: [www.cryst.ehu.es](http://www.cryst.ehu.es)  
(Bilbao Crystallographic Server)

e-mail: [cryst@wm.lc.ehu.es](mailto:cryst@wm.lc.ehu.es)

Phone: +34 94 601 2456

Fax: +34 94 601 3500

Prof. Mois Aroyo

Dpto. Física de la Materia Condensada  
Facultad de Ciencia y Tecnología  
Universidad del País Vasco (UPV/EHU)  
Apdo. 644, 48080 Bilbao (Spain)

The School is directed to scientists in Materials Science, Geosciences, Solid State Chemistry, Solid State Physics or Crystallography in general, and especially to young scientists and PhD students, who wish to acquire a deep practical knowledge of the crystallographic databases and computer tools available on the Bilbao Crystallographic Server and their applications in research problems within Solid State Sciences.

The maximum number of participants is limited to 50.  
The official language of the School is English.

The School is supported by the IUCr Commissions on Mathematical and Theoretical Crystallography and Crystallographing Teaching

## International Programme Committee

M. Catti, G. Chapuis, M. Nespolo, J.M. Perez-Mato, J. Rodriguez-Carvajal, P. Spadon, H. Stokes

## Local Organizing Committee

M. I. Aroyo (Chairman), J. M. Pérez-Mato, D. Orobengoa, G. Madariaga, J. M. Igartua, K. Friese

