Registration Fees

	Double Room	Single Room	No Accommodation
Academic Young	350 €	430 €	280 €
Academic Senior	400 €	480 €	330 €
Non Academic	420 €	500 €	350 €
Accompanying Person	240 €	-	125 €

The “double room” and “single room” registration fees include:
- participation to the School;
- five-nights accommodation at the University Campus;
- lunches, coffee breaks, welcome party and social dinner.

They do not include the travel expenses and the remaining dinners (vouchers for the University canteen will be on sale at 5 €/dinner).

A “young” participant is an undergraduate student, a PhD student, or a post-doc researcher without a permanent position.
The “double room accompanying persons” registration fee includes:
- Accommodation at the University Campus;
- Lunches, coffee breaks, welcome party and social dinner;
- Accompanying persons are not admitted to the School area during the lessons.

Deadlines

Application for grants

March 25th, 2011

Registration

April 8th, 2011

www.unicam.it/geologia/aics2011

info: aics2011@gmail.com

Sponsors

UNICAM Università di Camerino 1336

CRYSTAL IMPACT

BRUKER

PANalytical

AIC International School 2011

Crystallography Beyond Diffraction

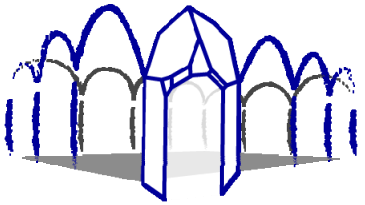
the role of spectroscopies and theoretical calculations in revealing structural information

Camerino (Italy)

Sala degli Stemmi, Palazzo Ducale

4-8 July 2011

associazione italiana di cristallografia AIC



AIC School 2011
PRELIMINARY PROGRAM

Monday, July 4th

15.00 Registration opens
17.30-18.00 **Opening Ceremony**
18.00-19.30 **D. Viterbo**
Welcome Plenary Lecture
19.30- **Welcome party**

Tuesday, July 5th

09.30-10.30 **P. Fornasini**
Basics on matter-radiation interaction
10.30-11.00 **M. Zema**
Average vs local crystal structure
11.00-11.20 ***coffee break***
11.20-12.40 **D. Viterbo**
Love diffraction, but do not leave it alone!
12.40-14.30 ***LUNCH***
14.30-15.50 **A.F. Gualtieri**
What crystallography behind powder diffraction?
15.50-17.10 **M. Dapiaggi**
Nanocrystals WANTED! (for not obeying Bragg's law)
17.10-17.30 ***coffee break***
17.30-17.50 **PANalyitical**
17.50-19.00 **A. Stewart**
Electron diffraction

Wednesday, July 6th

09.00-10.20 **A. Gavezzotti**
Methods and trends in molecular simulation of condensed phases
10.20-10.40 ***coffee break***
10.40-11.50 **B. Civalleri**
Ab initio modeling of periodic systems
11.50-13.00 **S.C. Tarantino**
Vibrations in solids: from crystal symmetry to local structural distortion
13.00-14.30 ***LUNCH***
14.30-15.50 **A. Urakawa**
Combined XRD-vibrational Spectroscopy and Correlation Analysis
15.50-16.00 transfer
16.00-19.00 Parallel practical sessions

Thursday, July 7th

09.00-10.00 **A. Gavezzotti**
Physical properties of medium- and long-range symmetrical materials: calculation and experiment
10.00-11.20 **R. Gobetto**
NMR crystallography
11.20-11.40 ***coffee break***
11.40-13.00 **P. Fornasini**
An introduction to X-ray Absorption Spectroscopy
13.00-14.30 ***LUNCH***
14.30-15.50 **P. Glatzel**
An Introduction to X-ray Emission Spectroscopy
15.50-16.00 transfer
16.00-19.00 Parallel practical sessions

Friday, July 8th

09.00-10.00 **P. Glatzel**
Resonant Inelastic X-ray Scattering
10.00-11.20 **G. Della Ventura**
IR spectroscopy as a tool for structural and crystal-chemical studies
11.20-11.40 ***coffee break***
11.40-13.00 **G. Giuli**
A look from a different perspective: XAS vs XRD
13.00-14.30 ***LUNCH***
14.30-16.20 **S. Della Longa**
TXAS Multiple Scattering Analysis with the MXAN program
16.20-16.40 ***coffee break***
16.40-17.40 **A.F. Gualtieri**
Examples of applications of the Rietveld refinement in combination with spectroscopic methods
17.40-18.40 **M. Milanesio**
Combining XRD with XAS and NMR
18.40-19.00 **Closing Ceremony**

Practical sessions

1. Rietveld & PDF analyses (A. Gualtieri & M. Dapiaggi)
2. Evolutionary simulation: Monte Carlo and Molecular Dynamics (A. Gavezzotti)
3. Basic ab-initio modeling of periodic systems with CRYSTAL (B. Civalleri)
4. Software TOPAS (Bruker AXS)
5. NMR applications (R. Gobetto + Bruker)