



**XLI Congresso
Associazione Italiana di Cristallografia (AIC)**

PRELIMINARY PROGRAM



Verona, 11-14 September 2012

Tuesday September 11

14:00-16:30 **Registration**

Location: Aula T3

16:30-17:00 **Opening Ceremony**

17:00-17:50 **Prize "Mario Nardelli"**

17:50-18:15 **Doctoral Thesis Prize**

18:15-18:20 **Laureate Thesis Prize**

18:20-19:20 **Lectio Magistralis - Gebhard F.X. Schertler** (Paul Scherrer Institut - Switzerland)
Title to be defined

18:20-19:30 **Welcome Party**

Wednesday September 12

8:30 **Registration**

Location: Aula T3

9:00-10:00 **Plenary Lecture - Lia Addadi** (Weizmann Institute of Science - Israel)
Crystallography and biomineralization. On crystals, disordered phase,
and their transformations

10:00-10:30 **Coffee Break**

10:30-13:10 **Parallel Sessions**

MS1: Aula T3

Molecular recognition at the organic-inorganic interface

Chair: Giovanni Valdrè

10:30-11:00 **KN1: Massimo Gazzano** (CNR Bologna)
Bisphosphonates interaction with calcium phosphates

11:00-11:30 **KN2: Daniele Malferrari** (Universita' di Modena e Reggio Emilia)
Organic molecules in confined mineral surfaces

11:30-13:10 To be assigned

MS2: Aula 1.1

Structure and microstructure by powder diffraction

Chair: Paolo Scardi

10:30-11:00 **KN1: Norberto Masciocchi** (Università dell'Insubria)

From Paracrystalline Ru(CO)₄ 1D Polymer to Nanosized Ru Metal:
a Case of Study through Total Scattering Analysis

11:00-11:30 **KN2: Antonio Cervellino** (PSI Villigen - Switzerland)

Total Scattering experiments at the upgraded Materials Science beamline of the Swiss
Light Source

11:30-13:10 To be assigned

13:10 **Lunch**

Location: Aula T3

14:00-15:20 **Poster Session and Coffee Break**

15:20-16:20 **Plenary Lecture - Angelo Gavezzotti** (Università di Milano)

Molecular predestination. Driving molecules in the twilight zone
from liquid to crystalline state

16:30-19:10 **Parallel Sessions**

MS3: Aula T3

Crystal engineering and supramolecular interactions

Chair: Alessia Bacchi

16:30-17:00 **KN1: Consiglia Tedesco** (Università di Salerno)

Calix[4]hydroquinone units as building blocks for nanoporous and functional materials

17:00-17:30 **KN2: Pierangelo Metrangolo** (Politecnico di Milano)

Halogen Bonding: Crystal Engineering and Applications

17:30-19:10 To be assigned

MS4: Aula 1.1

Approaching protein structure by crystallography and complementary techniques

Chair: Luigi Vitagliano

16:30-17:00 **KN1: Stefano Mangani** (Università di Siena)

Understanding the chemistry of a protein. The benefits of tackling this problem
from different points of view

17:00-17:30 **KN2: Alfonso De Simone** (Imperial College London - UK)

Understanding the structural basis of protein aggregation and solubility by
experiments and simulations

17:30-19:10 To be assigned

Thursday September 13

Location: Aula T3

9:00-10:00 **Plenary Lecture - William I.F. David** (ISIS Facility & University of Oxford – U.K.)

Crystallography beyond diffraction: combining experimental and computational approaches to structural complexity

10:00-10:30 **Coffee Break**

10:30-13:10 **Parallel Sessions**

MS5: Aula T3

New frontiers in crystal chemistry

Chair: Monica Dapiaggi

10:30-11:00 **KN1: Erica Montanari** (ENI Div. R&M)

Towards truly hybrid organic-inorganic zeolites: the Eni Carbon Silicates

11:00-11:30 **KN2: Gabriele Giuli** (Università di Camerino)

Local vs long range structure: combining information from XAS and XRD.
The case of kimzeyite garnet

11:30-13:10 To be assigned

MS6: Aula 1.1

Morphological and dimensional control in crystal growth: theory and applications

Chair: Marco Bruno

10:30-11:00 **KN1: Silvia Rubini** (IOM-CNR Trieste)

Interplay of catalyst size and substrate chemistry in Au assisted growth
of ZnSe nanowires by MBE

11:00-11:30 **KN2: Adele Sassella** (Università di Milano-Bicocca)

Multilayers vs. patterned layers of organic molecular materials:
the role of interfaces

11:30-13:10 To be assigned

13:00 **Lunch**

Location: Aula T3

14:00-17:00 **Flash Presentations and Poster session**

17:00-17:30 **Coffee Break**

17:30-19:00 **AIC General Assembly**

21:00 **Social Dinner**

Friday September 14

Location: Aula T3

9:00-10:00 **Plenary Lecture - Carmelo Giacovazzo** (CNR di Bari)

Phasing methods: new approaches and perspectives

10:00-10:30 **Coffee Break**

MS7: Aula T3

Innovative methodological developments for Crystallography

Chair: Angela Altomare

10:30-11:00 **KN1: Finizia Auriemma** (Università di Napoli-Federico II)

Methods in Polymer Crystallography. From reciprocal space to molecular modeling

11:00-11:30 **KN2: Michele Catti** (Università di Milano-Bicocca)

Neutron diffraction and first-principles simulations for solving structural problems
in lithium materials

11:30-13:10 To be assigned

13:10 **Closing Ceremony**



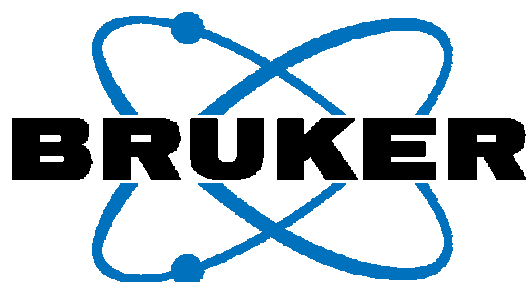
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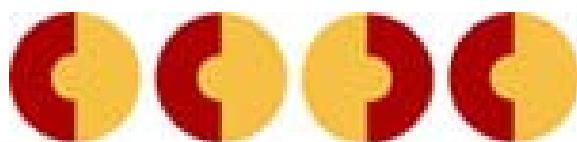
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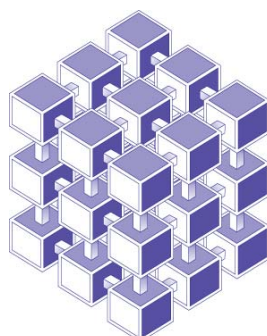
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Molecular
Dimensions



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