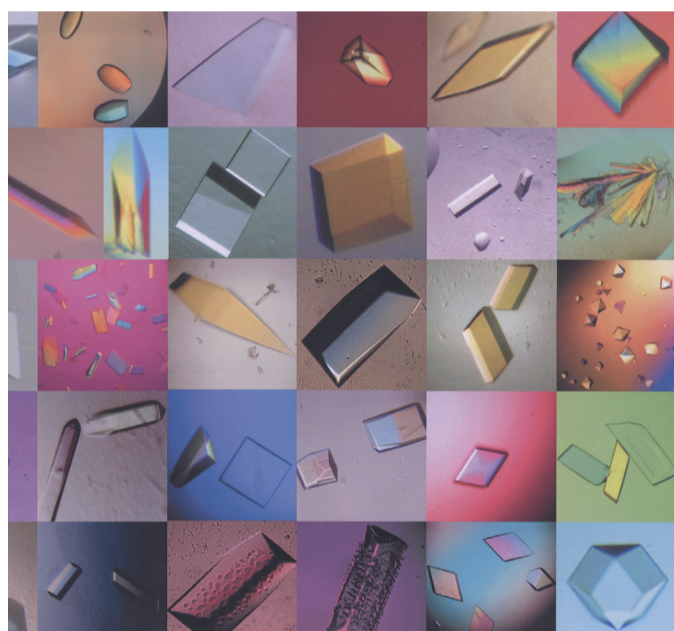


Past, Present, and Future of Crystallography@Politecnico di Milano

From Small Molecules to Macromolecules and Supramolecular Structures

POLITECNICO DI MILANO



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Section F: *Structural Biology and
Crystallization Communications*. Reproduced with
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Thursday, June 6, 2013

Aula Rogers - Via Ampère 2

Politecnico di Milano – Campus Leonardo

Scientific program

- 8:00 - 8:45 **Registration**
- 8:45 - 9:15 **Welcome Addresses**
Giovanni Azzone,
 Rector of Politecnico di Milano, Italy
Gautam R. Desiraju,
 President of IUCr
Pierangelo Metrangolo,
 Politecnico di Milano, Italy
Giuseppe Resnati, DCMIC,
 Politecnico di Milano, Italy

SECTION I

Chairman: Kari Rissanen

- 9:15 - 9:55 **Robin D. Rogers**, University of Alabama, USA
*Liquid Engineering to crystal engineering:
 How Ionic liquids can help us master the
 pharmaceutical solid state*
- 9:55 - 10:20 **Alessandra Crispini**, University of Calabria, Italy
*Liquid-crystal engineering: from molecules to
 materials*
- 10:20 - 10:45 **Valeria Ferretti**, University of Ferrara, Italy
Crystal engineering of pharmaceutical co-crystals
- 10:45 - 11:15 **Coffee Break**

SECTION II

Chairman: Giuseppe Resnati

- 11:15 - 11:55 **Mike Zaworotko**, University of South Florida, USA
Smart(ly Designed) Materials
- 11:55 - 12:20 **Juan J. Novoa**, University of Barcelona, Spain
*Intermolecular interactions in molecule-based magnets:
 Long distance bonds between radical ions*
- 12:20 - 12:45 **Consiglia Tedesco**, University of Salento, Italy
Organic macrocycles for designing porous materials
- 12:45 - 14:00 **Lunch**

SECTION III

Chairman: Mir Wais Hosseini

- 14:00 - 14:40 **Kari Rissanen**, University of Jyväskylä, Finland
Crystallography of Large Supramolecular Complexes
- 14:40 - 15:05 **Chiara Massera**, University of Parma, Italy
Crystallography and supramolecular sensing
- 15:05 - 15:30 **Lars Öhrström**, Chalmers University of
 Technology, Sweden
*Network Analysis in Crystal Engineering, more
 than dull taxonomy exercises*
- 15:30 - 15:55 **Alessia Bacchi**, University of Parma, Italy
*Molecular recognition of small guests by crystalline
 supramolecular systems*
- 15:55 - 16:30 **Coffee Break**

SECTION IV

Chairman: Robin D. Rogers

- 16:30 - 17:10 **Lia Addadi**, Weizmann Institute, Israel
*Crystallography and biomineralization: on crystals,
 disordered phases, and their transformations*
- 17:10 - 17:35 **Susan M. Reutzel-Edens**, Eli Lilly & Company, USA
*Structure-based solid-state form design:
 Identifying commercially-viable crystal forms for
 high quality drug products*
- 17:35 - 18:00 **Fabrizia Grepioni**, University of Bologna, Italy
*In-situ cryocrystallization of halogen-bonded
 complexes*
- 18:00 - 19:00 **Poster session**

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SECTION V

Chairman: Mike Zaworotko

- 9:00 - 9:40 **Olli Ikkala**, Aalto University, Finland
Self-assemblies for biomimetic materials
- 9:40 - 10:05 **Lucia Carlucci**, University of Milan, Italy
*Porous coordination networks: structures,
 entanglements and properties*
- 10:05 - 10:30 **Paola Paoli**, University of Ferrara, Italy
*Recognition and sensing through preorganised
 supramolecular hosts*
- 10:30 - 11:00 **Coffee Break**

SECTION VI

Chairman: Pierangelo Metrangolo

- 11:00 - 11:40 **Mir Wais Hosseini**, University of Strasbourg,
 France
*Challenges in crystal engineering: The molecular
 tectonics approach*
- 11:40 - 12:05 **Roland Boese**, Ruhr-Universität Bochum,
 Germany
*Supramolecular synthesis – Cocrystallization of
 small molecules*
- 12:05 - 12:30 **Giancarlo Terraneo**, Politecnico di Milano, Italy
*In-situ cryocrystallization of halogen-bonded
 complexes*
- 12:30 - 12:55 **Vera Vasylyeva**, University of Duesseldorf,
 Germany
*Fluorine and deuterium: Influence on the crystal
 architecture*
- 12:55 **Concluding remarks**

Contacts

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6-7 june, 2013

Politecnico di Milano

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