

The one-day symposium is organized by **GIDRM** (Gruppo Italiano Discussione Risonanze Magnetiche) and **AIC** (Associazione Italiana di Cristallografia) with the aim of strengthen the connections between two communities that using the words of Pauling, *“like to understand, and to explain, observed facts in terms of structure”*. The event is open to researchers, teachers and students interested in atomic and molecular sciences and their applications.

Web Site:

<http://cristallografia.org/chances>

Registration

The workshop is free, but registration is required and it is open *until July 31st 2018*. **Buffet lunch is offered to registered participants.**

Registration form address:

<http://cristallografia.org/manifestazioni?id=3>

Scientific Committee

GIDRM Members

Marco Geppi, University of Pisa

Paola Turano, University of Florence

Lucia Calucci, CNR-ICCOM Pisa

Michele Chierotti, University of Turin

AIC Members

Paola Paoli, University of Florence

Patrizia Rossi, University of Florence

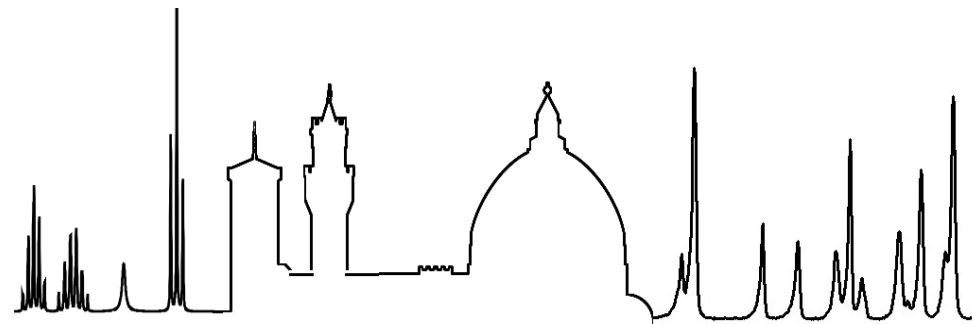
Andrea Ienco, CNR-ICCOM Florence

Annalisa Guerri, University of Florence

Secretariat

Annalisa Guerri, University of Florence

e-mail: chancesflorence@gmail.com



CHANCES: Crystallography And NMR
in **Complementary Structural**
investigations

Aula Magna – University of Florence

Piazza San Marco, 4, Florence

September 4th 2018



PROGRAM

10:00-10:30

Registration

10:30-11:00

Welcome message

Luigi Dei, Rector of University of Florence

Presentation of the two societies: GIDRM and AIC

Marco Geppi (GIDRM president)

Diego Gatta (AIC president)

Morning Scientific Session

Chairperson: **Diego Gatta** (AIC president)

11.00-11.30

“Structure, dynamics and gas detection in porous solids: the crystallographic and NMR perspectives”

Angiolina Comotti (University of Milan Bicocca)

11.30-12.00

“Solid State NMR: understanding complex materials”

Silvia Borsacchi (CNR-ICCOM Pisa)

12.00-12.30

“Challenging poorly crystalline materials in cement”

Maria Chiara Dalconi (University of Padua)

12.30-13.00

“Ab initio calculation of NMR and EPR parameters with QE-GIPAW”

Davide Ceresoli (CNR-ISTM Milan)

13.00-14.30

Lunch Buffet

Afternoon Scientific Session

Chairperson: **Marco Geppi** (GIDRM president)

14.30-15.00

“Applications of NMR crystallography on small molecules”

Roberto Gobetto (University of Turin)

15.00-15.30

“Synergic approach to crystal forms screening: mechanochemistry, X-ray diffraction and SSNMR”

Lucia Maini (University of Bologna)

15.30-16.00

“Simultaneous refinement of X-ray and NMR data for integrated structural biology”

Claudio Luchinat (University of Florence)

16.00-16.30

“Structure, stability and dynamics interplay in protein misfolding: insights from D76N β 2m”

Stefano Ricagno (University of Milan)

16.30-17.00

Round Table and Closing Remarks