EuroSciCon

4th Edition of International conference on

Advanced Spectroscopy, Crystallography and Applications in Modern Chemistry

April 25-26
Rome, Italy

2019



Crystallography 2019

https://crystallography.euroscicon.com/

Day 1, Agenda

General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

Networking & Refreshments Break @ Foyer

	HALL 01	HALL 02	HALL 03
11:00 AM	Talks On: **Crystallography**	Talks On: **Chemical Crystallography**	Talks On: **Advanced Crystallography**
	Talks On: **Small Molecule Crystallography: Novel Structures and General Interest**	Talks On: **Computational Crystallography**	Talks On: **Supermolecular Crystallography**
	SESSION DISCUSSION	**SESSION DISCUSSION**	**SESSION DISCUSSION**
02:00 PM	Panel Over: **Polymer Crystallization**	Panel Over: **Nano Crystallography**	Panel Over: **Electron Crystallography**
	Workshop On: **Crystallization**	Workshop On: **Engineering of Crystalline and Non-crystalline Solids**	Workshop On: **Structure and Properties of Functional Materials**
	Lunch Break @ Restaurant	***Lunch Break @ Restaurant***	***Lunch Break @ Restaurant***
04:00 PM	Talks On: **Crystallography of Novel Materials**	Talks On: **X-Ray Crystallography**	Talks On: **Chemical Crystallography: General Interest**
	Lectures on: **Mounting the Crystal**	Lectures on: **Ions and salts**	Lectures on: **Crystal Growth**
06:00 PM	Session On: **Chemical shift interaction**	Session On: **Vibrational circular dichroism Spectroscopy**	Session On: **Cryo-electron microscopy (cryo-EM)**
	NETWORKING	**NETWORKING**	**NETWORKING**

Day 2, Agenda

General Session

08:00 AM — INTRODUCTION

09:00 AM — PLENARY

10:00 AM — KEYNOTE

Networking & Refreshments Break @ Foyer

	HALL 01	HALL 02	HALL 03
11:00 AM	Talks On: **Nuclear Magnetic Resonance Crystallography (NMR crystallography)**	Talks On: **Spectroscopy**	Talks On: **Advances in Neutron Diffraction**
	Talks On: **Application of Modern Chemistry**	Talks On: **Metal-Organic Frameworks (MOFs)**	Talks On: **Pharmaceutical Co-crystals**
	SESSION DISCUSSION	**SESSION DISCUSSION**	**SESSION DISCUSSION**
02:00 PM	Panel Over: **Crystallography Applications**	Panel Over: **Porous and Liquid Crystals**	Panel Over: **Nano-materials and Nanotechnology**
	Workshop On: **Crystal Engineering**	Workshop On: **Quasi-crystals**	Workshop On: **Novel crystallization strategies for XFEL studies**
	Lunch Break @ Restaurant	***Lunch Break @ Restaurant***	***Lunch Break @ Restaurant***
04:00 PM	Talks On: **Biological Structure Determination**	Talks On: **Crystallography in Biology**	Talks On: **NMR Spectroscopy vs. X-Ray Crystallography**
	Lectures on: **Spectroscopy Applications**	Lectures on: **Ultraviolet Photoelectron Spectroscopy (UPS)**	Lectures on: **Applications of NMR**
06:00 PM	Session On: **Fiber diffraction**	Session On: **Applications of X-ray diffraction**	Session On: **Diamonds growth**
	NETWORKING	**NETWORKING**	**NETWORKING**

Past Affiliates

Mingxing Zhang,
The University of Queensland, Australlia

Andrzej Grzechnik
RWTH Aachen University, Germany

Alastair Lawson
UCB, Slough-UK

Werner Paulus
University of Montpellier, France

Olga B. Lapina
Novosibirsk State University, Russia

Alexander Böker
Fraunhofer- Institute for Applied Polymer Research (IAP)
Germany

Martin Meven
RWTH Aachen University, Germany

Nicolas Recalde
South Carolina University, USA

Antonio Zuorro
University of Rome, Italy
Italy

Anastasia Vyalikh
TU Bergakademie Freiberg, Germany

Yuichi Shimazaki
Ibaraki University, Japan

Jiabao Yi
UNSW, School of Materials Science and Engineering
Australia

Monica Ceretti
Institut Charles Gerhardt Montpellier, France

Vijeesh P
The Cochin College, Kerala

Yuyuan Zhao
University of Liverpool
UK

Jan Rohlíček
Institute of Physics ASCR, Czech Republic

Animangsu Ghatak
IIT Kanpur, India

Xiang Zhang
University of Cambridge
UK

Christin Reuter
Jena Bioscience GmbH, Germany

S.J.Joshi
Bahauddin Science College, India

Detlef Bahnemann
Leibniz University of Hannover
Germany
Germany

Emil MOLNÁR
Budapest Univ. Technology, Hungary

Nikolai N. Bogolubov
Mathematical Institute of the RAS, Russia

Manijeh Razeghi
Northwestern University USA
USA

Marie-Hélène Lemée-Cailleau
Institut Laue Langevin, France

Qiang Li
Xi'an Jiaotong University, China

Elena Cerro Prada
Universidad Politécnica de Madrid
Spain

Aroa Morán-Ruiz
University of the Basque Country, Spain

Daniel E. Lynch
Exilica Limited,UK

Piedad N De Aza
Miguel Hernandez de Elche University
Spain, Spain

Henrich H. Paradies
Jacobs- University, Bremen, Germany

Edward Jimenez
Central University, USA

S K Thongmee
Kasetsart University
Thailand

Dongfang Yang
National Research Council Canada

M Kwiatkowski
AGH UST
Poland

Samuel Frimpong
M U S T
USA

Past Affiliates

Matthew E Edwards
Alabama A&M University
USA

Ramesh Agarwal
Washington University
USA

Carlo Montemagno
University of Alberta
Canada

Raj Kumar
The Commonwealth Medical College
USA

Andriy Lotnyk
Leibniz Institute of Surface Modification (IOM)
Germany

Jean-Claude Daran
LCC-CNRS, Toulouse
France

Bharat Bhushan
Ohio State University
USA

Jérôme Rouquette
University in Montpellier
France

Kyoichi Kinoshita
Meiji University
Japan

Huifang Xu
University of Wisconsin – Madison
USA

Joseph Orgel
Illinois Institute of Technology
USA

Alessandra Vitale
Politecnico di Torino, Italy

Huifang Xu
University of Wisconsin – Madison,USA

María Teresa Pérez Prior
Carlos III University of Madrid
Spain

Bingkun K. Chen
Mayo Clinic, USA

Kyoichi Kinoshita
Meiji University, Japan

Barbara Bonelli
Politecnico di Torino, Italy

Nekane Guarrotxena
Institute of Polymers Science and Technology, Spain

Jérôme Rouquette
University in Montpellier , France

Ali Sabea Hammood
University of Kufa, Iraq

Mustafa Soylak
Erciyes University, Turkey

Abbas Amini
Western Sydney University, Australia

Mehdi Saniei
University of Toronto, Canada

Dinesh Amalnerkar
Sungkyunkwan University, South Korea

Jean-Claude Daran
LCC-CNRS, Toulouse, France

Rahul Mane
Shivaji University, India

Jinn P. Chu
National Taiwan University of Science and Technology, Taiwan

Andriy Lotnyk
Leibniz Institute of Surface Modification (IOM), Germany

Ali Omar
Central Metallurgical R& D Institute, Egypt

Habil. Simona Cavalu
University of Oradea, Romania

Past Affiliates

Raj Kumar
The Commonwealth Medical College, USA

Oras A. S. Al-Ani
Newcastle University, UK

Meiyong Liao
National Institute for Materials Science, Japan

Carlo Montemagno
University of Alberta, Canada

Monika Michalska
Institute of Electronic Materials Technology, Poland

Hamed Sabet
Islamic Azad University, Iran

Ramesh Agarwal
Washington University, USA

Mary M. Eshaghian-Wilner
University of Southern California, USA

Milica Marceta Kaninski
Vinca Institute of Nuclear Sciences, Serbia

Matthew E Edwards
Alabama A&M University, USA

Jordi Arbiol
Institut Català de Nanociència i Nanotecnologia (ICN2), CSIC, Spain

Ajay Kumar Mishra
University of South Africa, South Africa

Samuel Frimpong
M U S T, USA

Devesh K. Agrawal
Baker Hughes, Enterprise Research, USA

Raja Rizwan Hussain
King Saud University, Saudi Arabia

M Kwiatkowski
AGH UST, Poland

Amer A. Taqa
Mosul University, Iraq

Sevil Dinçer İşoğlu
Abdullah Gul University, Turkey

Dongfang Yang
National Research Council Canada, Canada

A. Abdelghani
National Institute of Applied Science and Technology (INSAT, Tunisia) , Tunisia

Ivana Validžić
Vinca Institute of Nuclear Sciences, Serbia

S K Thongmee
Kasetsart University, Thailand

Lars Montelius
International Iberian Nanotechnology Laboratory (INL), Portugal

Brian Yuliarto
Institut Teknologi Bandung, Indonesia

Piedad N De Aza
Miguel Hernandez de Elche University Spain, Spain

Alexander M. Seifalian
University College London, UK

Shanmuka Sundaram
K.S.Rangasamy College of Technology, India

Elena Cerro Prada
Universidad Politécnica de Madrid , Spain

Ivoyl P. Koutsaroff
Qorvo Inc, USA

Shaojun GUO
Peking University, China

Past Affiliates

Manijeh Razeghi
Northwestern University USA, USA

Manijeh Razeghi
Northwestern University, USA

Guoqian Chen
Peking University, China

Detlef Bahnemann
Leibniz University of Hannover Germany, Germany

Detlef Bahnemann
Leibniz University of Hannover, Germany

Dong Fang Yang
National Research Council, Canada

Xiang Zhang
University of Cambridge, UK

Fabrizio Pirri
Italian Institute of Technology, Italy

Sirikanjana
Kasetsart University, Thailand

Yuyuan Zhao
University of Liverpool, UK

Marie Paule Pileni
University P&M Curie, UPMC, France

Elias Siores
University of Bolton, United Kingdom

Jiabao Yi
UNSW, School of Materials Science and Engineering, Australia

Marcelle Gaune Escard
Ecole Polytechnique, France

Amr Elnashai
Penn State University, USA

Antonio Zuorro
University of Rome, Italy, Italy

Frank Volke
Fraunhofer IBMT, Germany

David Cardwell
University of Cambridge, United Kingdom

Alexander Böker
Fraunhofer- Institute for Applied Polymer Research (IAP), Germany

Piedad N de Aza
Miguel Hernandez de Elche University, Spain

Il Kim
Pusan National University, Republic of Korea

Joseph Orgel
Illinois Institute of Technology, USA

Pankaj Vadgama
Queen Mary University of London, UK

KM Liew
City University of Hong Kong, Hong Kong

Masaru Matsuo,
Dalian University of Technology, China

Angelo Rosario Maligno
University of Derby, UK

Ming Dao
Nanomechanics Laboratory, MIT, USA

Wafa Hami
Cadi Ayyad University, Morocco

Annamaria Cucinotta
University of Parma, Italy

Genda Chen
Missouri University of Science and Technology , USA

Past Affiliates

Elena Cerro Prada
Polytechnic university of Madrid
Spain

Hicham Fenniri
Northeastern University, USA

Peng-Sheng Wei
National Sun Yat-Sen University , Taiwan

Mª del Pilar de Miguel Ortega
Ministry of Economy and Competitiveness
Spain

Haruo Sugi
Teikyo University Medical School, Japan

Rafal Abdank-Kozubski
Jagiellonian University, Poland

Clara M Gómez
University of Valencia
Spain

Itai Pelled
TIPA Corp, Israel

Jacek Przybylski
Czestochowa University of Technology, Poland

Alejandro Várez
Carlos III University of Madrid
Spain

Kar Seng (Vincent) Teng
Swansea University, UK

Kwun Nam HUI
University of Macau, China

Ignacio Martin-Gullon
University of Alicante
Spain

L.W. Zhang
Shanghai Jiao Tong University, China

Hiroyuki Serizawa
Japan Atomic Energy Agency, Japan

Nekane Guarrotxena
Institute of Polymers Science and Technology
Spain

Dan Cohen
Informatix, Contractor of the Israeli Space Agency, Israel

Alexander Karamanov
Bulgarian Academy of Sciences, Bulgaria

Lourdes Mestres Vila
University of Barcelona
Spain

Jesus Ma. Rincon
Eduardo Torroja Institute for Construction Sciences, Spain

Yogendra Kumar Mishra
Christian Albrechts University of Kiel, Germany

Angelo Rosario Maligno
University of Derby
UK

Frederic Aguesse
CIC Energigune, Spain

Dimitris Niarchos
Amen Technologies, Greece

Nicola Pugno
University of Trento
Italy

Ester Barrachina Albert
Universitat Jaume I, Spain

Anton Liopo
UT MD Anderson Cancer Center, United States

Past Affiliates

Kar Seng (Vincent) Teng
Swansea University
UK

Maximina Romero
Eduardo Torroja Institute for Construction Sciences, Spain

GONG Hao
National University of Singapore, Singapore

Haruo Sugi
Teikyo University
Japan

Angelo R. Maligno
University of Derby, UK

P V Radovanovic
University of Waterloo, Canada

Devki N. Talwar
Indiana University of Pennsylvania
USA

Oleg L. Figovsky
INRC Polymate, Israel

Antonio Zuorro
University of Rome, Italy

Hanumantha Rao Kota
Norwegian University of Science and Technology
Norway

Dongyang Li
University of Alberta, Canada

Anshuman Srivastava
SIET Allahabad, India

Ajay Kumar Mishra
University of South Africa
South Africa

City Attractions









City Attractions



Roman Forum



Saint Peter's Square



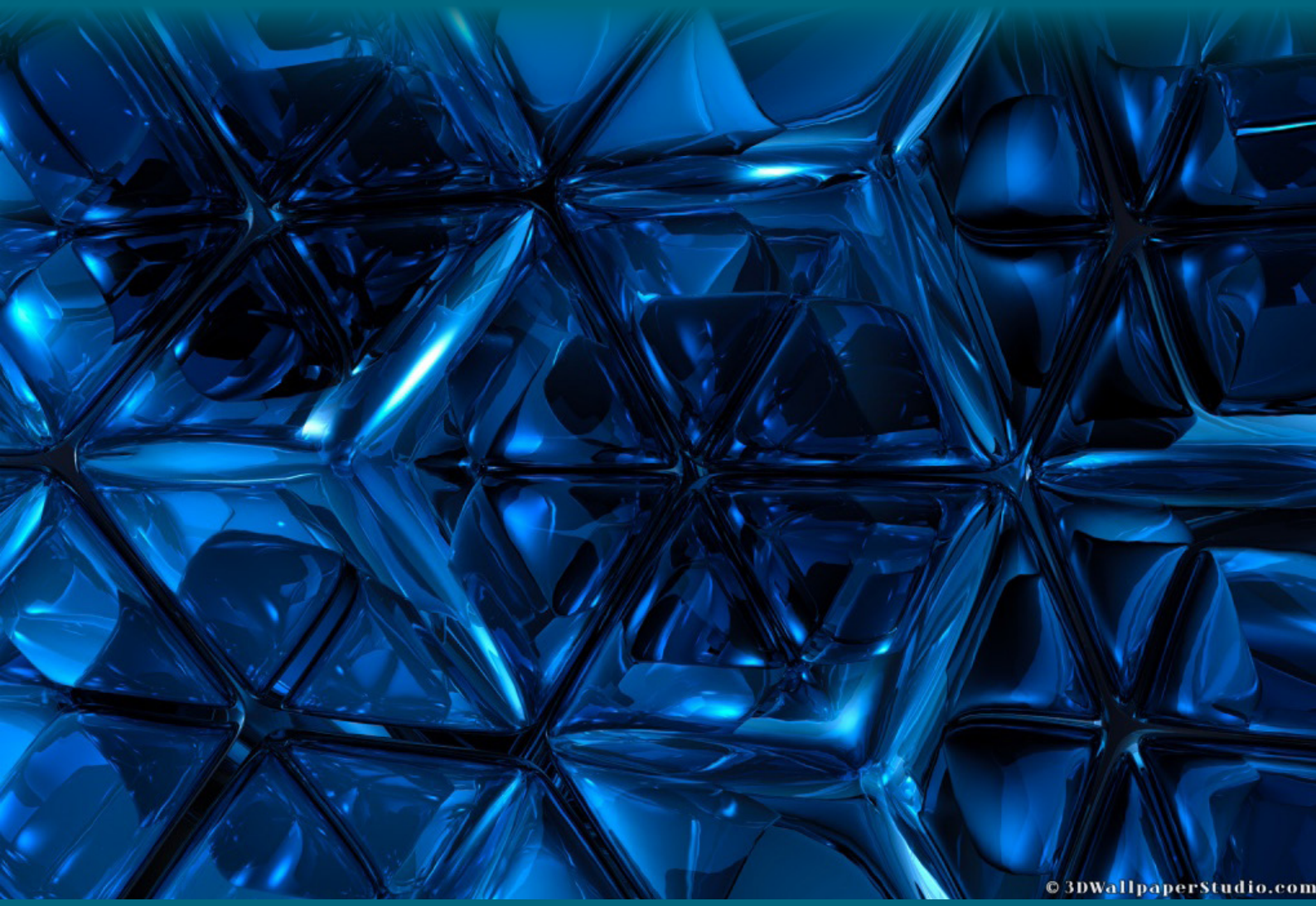
San Giovanni in Laterano



Santa Maria in Trastevere

3rd Edition of International Conference on

Advanced Spectroscopy Crystallography and Applications in Modern Chemistry



June 04-05, 2018
London, UK

EuroSciCon

Crystallography 2018

Agenda Day 1: June 04, 2018

Bleriot 2

09:30-10:00 **Registrations**

10:00-10:25 Opening Ceremony

Keynote Forum

10:25-10:30 Introduction

10:30-11:10 **Title: Phonon assisted oxygen diffusion vs. oxygen and electronic ordering mechanisms in non-stoichiometric correlated oxides**

Werner Paulus, University of Montpellier, France

Networking & Refreshment Break 11:10-11:25 @ Breakout Area

11:25-12:05 **Title: Crystallography of phase transformations in solids and its applications**

Mingxing Zhang, The University of Queensland, Australia

12:05-12:45 **Title: Advances and applications of neutron scattering and diffraction**

Martin Meven, RWTH Aachen University, Germany

Lunch Break 12:45-13:30 @ RBG

Session Introduction

Sessions: Chemical Crystallography | Advanced Crystallography | Crystal Growth | Nuclear Magnetic Resonance Crystallography | Advances in Neutron Diffraction | Biological Structure Determination | Application of Modern Chemistry

Session Chair: Henrich H. Paradies, Jacobs-University, Germany

Session Co-Chair: Vijeesh Padmanabhan, The Cochin College, India

13:30-14:00 **Title: Stereochemistry and anti-inflammatory inhibition: Asymmetry complexes of 4-halogenated mofebutazones derivatives**

Henrich H. Paradies, Jacobs-University, Germany

14:00-14:30 **Title: Synthesis and characterization of Triglycinesulphate crystals doped with potassium succinate**

Vijeesh Padmanabhan, The Cochin College, India

14:30-15:00 **Title: Novel magneto-optic behavior from a polysquaraine: structure / property relationship**

Daniel E. Lynch, Exilica Limited, UK

15:00-15:30 **Title: High-pressure crystallographic studies in diamond anvil cells using X-rays and neutrons**

Andrzej Grzechnik, RWTH Aachen University, Germany

Networking & Refreshment Break 15:30-15:45 @ Breakout Area

15:45-16:15 **Title: NMR Crystallography as a tool for characterization of active sites of solid catalysts**

Olga B. Lapina, Novosibirsk State University, Russia

16:15-16:45 **Title: Crystallography of oxidized metal(II)- di(phenolate) complexes; Geometric and electronic structures relationship**

Yuichi Shimazaki, Ibaraki University, Japan

16:45-17:15	**Title: Femtoscope: Atomic Resonance in ATP imposes the necessary and sufficient conditions for cancer efficient radio-therapy** Edward Jimenez, Central University, Ecuador, USA

Agenda Day 2: June 05, 2018

Bleriot 2

09:00-10:00 Registrations

Keynote Forum

10:00-10:40	**Title: Solid-State NMR in materials science** Anastasia Vyalykh, TU Bergakademie Freiberg, Germany

Networking & Refreshment Break 10:40-10:55 @ Breakout Area

10:55-11:35	**Title: Structural features of a new oxygen deficient perovskite Sr_2ScGaO_5, a promising oxygen ion conductor at moderate temperature** Monica Ceretti, Institut Charles Gerhardt Montpellier, France

Session Introduction

Sessions: Crystallography of Novel Materials | Spectroscopy Applications | Crystallography Applications | Crystallography in Biology

Session Chair: Marie-Hélène Lemée-Cailleau, Institut Laue Langevin, France

Session Co-Chair: Yuichi Shimazaki, Ibaraki University, Japan

11:35-12:05	**Title: Neutron Laue and X-ray diffraction study of a new crystallographic superspace phase in n-nonadecane–urea** Marie-Hélène Lemée-Cailleau, Institut Laue Langevin, France
12:05-12:35	**Title: Fluorination of cuspidine-related phases, $Ln_4Al_2O_9$ (Ln=Sm, Eu, Gd, Tb)** Aroa Morán-Ruiz, University of the Basque Country, Spain
12:35-13:05	**Title: Fluorescence in quantum systems with violated symmetry** Nikolai N. Bogolubov (Jr.), Mathematical Institute of the RAS, Russia

Lunch Break 13:05-13:50

13:50-14:20	**Title: Antibody-enabled small molecule drug discovery** Alastair Lawson, UCB, UK
14:20-14:50	**Title: CrystalCMP – Fast packing comparison of molecular crystals** Jan Rohlíček, Institute of Physics, ASCR, Czech Republic
14:50-15:20	**Title: Frag Xtal Screen for direct crystallographic fragment screening** Christin Reuter, Jena Bioscience GmbH, Germany

Networking & Refreshment Break 15:20-15:35 @ Breakout Area

Poster Presentations @Foyer @15:35 onwards

Panel Discussion

Awards & Closing Ceremony