EuroSciCon

# Crystallography 2018

June 04-05

London, UK



# 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:<br>**Chemical Crystallography** | Talks On:<br>**Crystallography of Novel Materials** | Talks On:<br>**Electron Crystallography** |
| | **SESSION DISCUSSION** | **SESSION DISCUSSION** | **SESSION DISCUSSION** |
| 02:00 PM | Panel Over:<br>**Novel crystallization strategies for XFEL studies** | Panel Over:<br>**Inorganic and Organic Crystal Studies** | Panel Over:<br>**Engineering of Crystalline and Non-crystalline Solids** |
| | Workshop On:<br>**Colloidal crystallization** | Workshop On:<br>**Crystallography research** | Workshop On:<br>**Electronic properties of single crystals** |
| | ***Lunch Break @ Restaurant*** | ***Lunch Break @ Restaurant*** | ***Lunch Break @ Restaurant*** |
| 04:00 PM | Talks On:<br>**Crystallography in Biology** | Talks On:<br>**Spectroscopy** | Talks On:<br>**Crystal Growth** |
| | Lectures on:<br>**Powder diffraction** | Lectures on:<br>**Structural plasticity of proteins** | Lectures on:<br>**Electron Diffraction in Crystallography** |
| 06:00 PM | Session On:<br>**Cryo-electron microscopy (cryo-EM)** | Session On:<br>**Industrial Crystallization** | Session On:<br>**Protein crystallography and structures** |
| | **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: **Spectroscopy Applications** | Talks On: **Crystallography Applications** | Talks On: **Advanced Crystallography** |
| | **SESSION DISCUSSION** | **SESSION DISCUSSION** | **SESSION DISCUSSION** |
| 02:00 PM | Panel Over: **Liquid Crystals and Quasicrystals** | Panel Over: **Chemical Crystallography: General Interest** | Panel Over: **2D Crystal Engineering** |
| | Workshop On: **Protein crystallization** | Workshop On: **Polymorphs** | Workshop On: **Diffractometer** |
| | *Lunch Break @ Restaurant* | *Lunch Break @ Restaurant* | *Lunch Break @ Restaurant* |
| 04:00 PM | Talks On: **Precession electron diffraction (PED)** | Talks On: **Nuclear magnetic resonance crystallography (NMR crystallography)** | Talks On: **Application in Modern Chemistry** |
| | Lectures on: **Advances in X-ray and Neutron Crystallography** | Lectures on: **X-ray fluorescence (XRF)** | Lectures on: **X-ray scattering (SAXS)** |
| 06:00 PM | Session On: **Pharmaceutical Co-crystals** | Session On: **Nanocrystallography** | Session On: **Advances in Neutron Diffraction** |
| | **NETWORKING** | **NETWORKING** | **NETWORKING** |

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# Program Schedule

| Tentative Program | |
|---|---|
| **Day 1 June 04, 2018** | |
| | **Registrations** |
| | **Opening Ceremony** |
| | **Introduction** |
| **Keynote Forum** | |
| | **Title: High-pressure crystallographic studies in diamond anvil cells using X-rays and neutrons** |
| | **Andrzej Grzechnik, RWTH Aachen University, Germany** |
| **Coffee Break** | |
| | **Title: Crystallography of phase transformations in solids and its applications** |
| | **Mingxing Zhang, The University of Queensland, Australia** |
| ****Keynote Slot Available** | |
| **Sessions: Advanced Crystallography \| Biological Structure Determination** | |
| **Chair** | **Yet to be confirmed** |
| | **Title:** Stereochemistry and anti-inflammatory inhibition: Asymmetry complexes of 4-halogenated mofebutazones derivatives |
| | **Henrich H. Paradies, Department of Chemistry and Life Science, Jacobs-University, Bremen, Germany** |
| | **Title:** Contemporary diffraction methods in study of polycrystals |
| | **Stanko Popović, University of Zagreb, Croatia** |
| | **Title:** The Vlasov's equation for description of solids structure |
| | **V.I.Talanin, Institute of Physical Chemistry, Poland** |
| | **Title:** Crystallography and thermal conductivity of thermoelectric clathrates |
| | **Yuri Grin, Max-Planck-Institute for Chemistry Physics fester Stoffe, Germany** |
| | **Title:** Nanocrystal silicon growth under electron irradiation |
| | **Weiqi Huang, Institute of Nanophotonic Physics, China** |
| | **Title:** Femtoscope: Atomic Resonance in ATP Imposes the Necessary and Sufficient Conditions for Cancer Efficient Radiotherapy |
| | **Nicolas Recalde, South Carolina University, USA** |
| | **Title:** Co-Crystallization- Towards Enhanced Biological Activities Examples of Crystal Engineering Approach |
| | **Sammer Yousuf, University of Karachi, Pakistan** |
| **Speakers slot available @ Crystallography 2018<br>Submit abstracts and confirm your slot** | |
| **Lunch Break** | |
| **Sessions: Crystal Growth \| Precession Electron Diffraction (PED) \| Nuclear Magnetic Resonance Crystallography (NMR crystallography)** | |
| **Chair** | **Yet to be confirmed** |
| | **Title:** Identification of the Defect Clusters in Congruent Lithium Tantalate |
| | **Anastasia Vyalykh, Institute of Experimental Physics, Germany** |
| | **Title:** : NMR Crystallography as a tool for characterization of active sites of solid catalysts |
| | **Olga B. Lapina, Novosibirsk State University, Russia** |

# Program Schedule

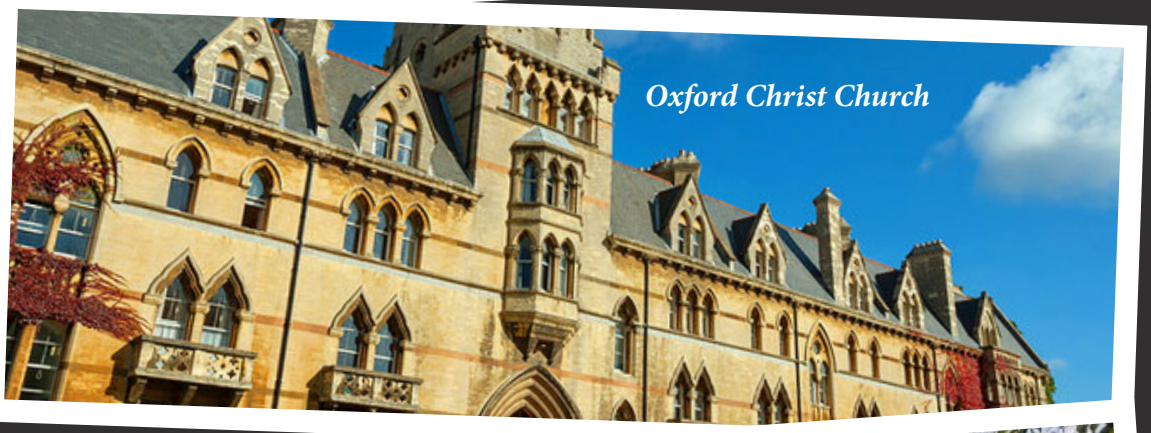
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|---|---|
| **Coffee Break** | |
| | |
| | **Title:** Dielectric and magnetic study of iron- nickel- manganese ternary levo tartrate crystals |
| | **S. J. Joshi, Bahauddin Science College, India** |
| | **Title:** Precipitant-less Crystallization of Protein Molecules Induced by Substrate with Heterogeneous Topography and Surface Potential Gradient |
| | **Animangsu Ghatak, IIT Kanpur, India** |
| | **Title:** Crystallography of dynamics of metal nanoclusters during chemical reaction at their surface |
| | **Zbigniew Kaszkur, Institute of Physical Chemistry, Poland** |
| **Speakers slot available @ Crystallography 2018<br>Submit abstracts and confirm your slot** | |
| | |
| **Day 2 June 05, 2018** | |
| **Keynote Forum** | |
| | **Title: Phonon assisted oxygen diffusion vs. oxygen and electronic ordering mechanisms in non-stoichiometric correlated oxides** |
| | **Werner Paulus, University of Montpellier, France** |
| | **Title: Advances and Applications of Neutron Scattering and Diffraction** |
| | **Martin Meven, RWTH Aachen University, Germany** |
| **Keynote Slot Available** | |
| **Coffee Break** | |
| **Sessions: Crystallography of Novel Materials \|Recent development in the X-ray studies \| Advances in Neutron Diffraction** | |
| **Chair** | **Yet to be confirmed** |
| | **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** |
| | **Title:** Fluorination of cuspidine-related phases, Ln4Al2O9 (Ln=Sm, Eu, Gd, Tb) |
| | **Aroa Morán-Ruiz, University of the Basque Country, Basque Country, Spain** |
| | **Title:** Exploring the evolution of the orbital and magnetic ordering in Ca2RuO4 under an applied field |
| | **Alessandro Bombardi, Diamond Light Source Ltd., Harwell Science and Innovation Campus Didcot, UK** |
| | **Title:** Real Space Modeling of Solution-State SAXS Using Information Theory |
| | **Robert P Rambo, Diamond Light Source, Harwell Science and Innovation Campus, UK** |
| | **Title:** Synthesis and crystal structure of new poly(organic-inorganic) polymers poly[Cu(NO2-acac)2]n |
| | **Hadi Salman Al-Lami, University of Basrah, Basrah, Iraq** |
| | **Title:** Structural features of a new oxygen deficient perovskite Sr2ScGaO5, a promising oxygen ion conductor at moderate temperature |
| | **Monica Ceretti, Institut Charles Gerhardt Montpellier Montpellier, France** |
| **Speakers slot available @ Crystallography 2018<br>Submit abstracts and confirm your slot today** | |

# Program Schedule

| | |
|---|---|
| **Lunch Break** | |
| **Sessions: Chemical Crystallography \| Spectroscopy Applications \| Electron Crystallography \|Crystallography Applications** | |
| **Chair** | **Yet to be confirmed** |
| | **Title:** Fluorescence in quantum systems with violated symmetry |
| | **Nikolai N. Bogolubov (Jr.), DSc Mathematical Institute of the RAS, Russia** |
| | **Title:** The Fabrication of ITO nanowires by RF-sputtering |
| | **Qiang Li, Xi'an Jiaotong University, China** |
| | **Title:** Crystallography of oxidized metal(II)- di(phenolate) complexes; geometric and electronic structures relationship |
| | **Yuichi Shimazaki, Ibaraki University, Japan** |
| | **Title:** CrystalCMP – fast packing comparison of molecular crystals |
| | **Jan Rohlíček, Institute of Physics AS CR, Czech Republic** |
| | **Title:** Frag Xtal Screen* for direct crystallographic fragment screening |
| | **Christin Reuter, Jena Bioscience GmbH, Germany** |
| | **Title:** Non-Euclidean Crystallography |
| | **Emil MOLNÁR, Inst. Math. Budapest Univ. Technology Econ. Hungary** |
| **Speakers slot available @ Crystallography 2018<br>Submit abstracts and confirm your slot** | |
| **Coffee Break** | |
| **Poster Presentations** | |
| **20+ Poster Slots Available Please submit the abstracts** | |
| ****Note: Tentative Program has been designed with the projected Speakers Names and Titles.** | |

# City Attractions









# City Attractions







