EuroSciCon

4th Edition of International conference on

Advanced Spectroscopy, Crystallography and Applications in Modern Chemistry

April 18-19

Berlin, Germany

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

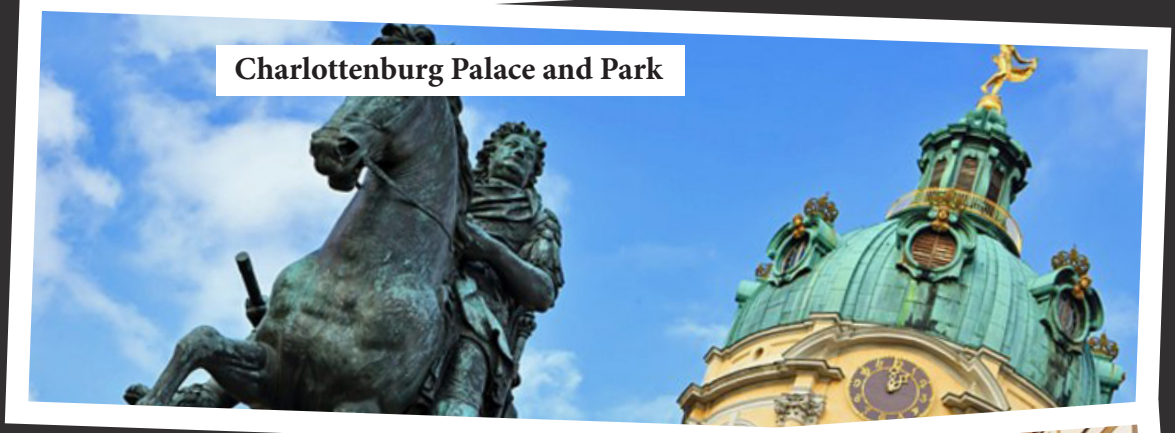
Kyoichi Kinoshita
Meiji University
Japan

Huifang Xu
University of Wisconsin – Madison
USA

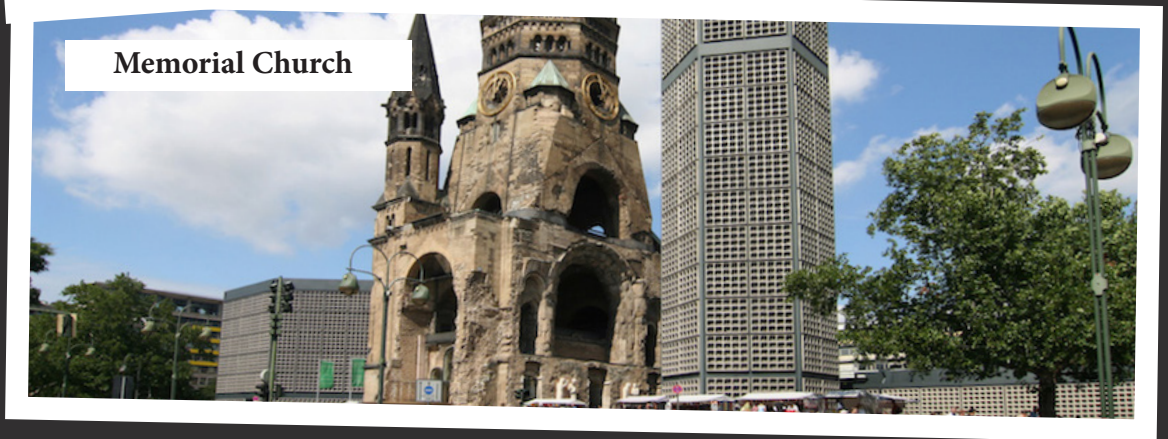
Joseph Orgel
Illinois Institute of Technology
USA

City Attractions





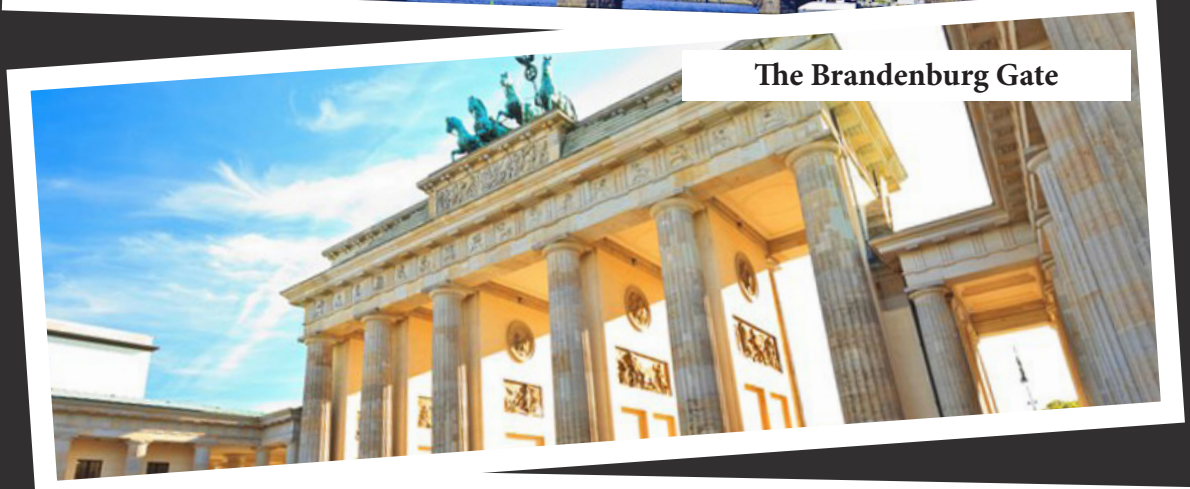




City Attractions



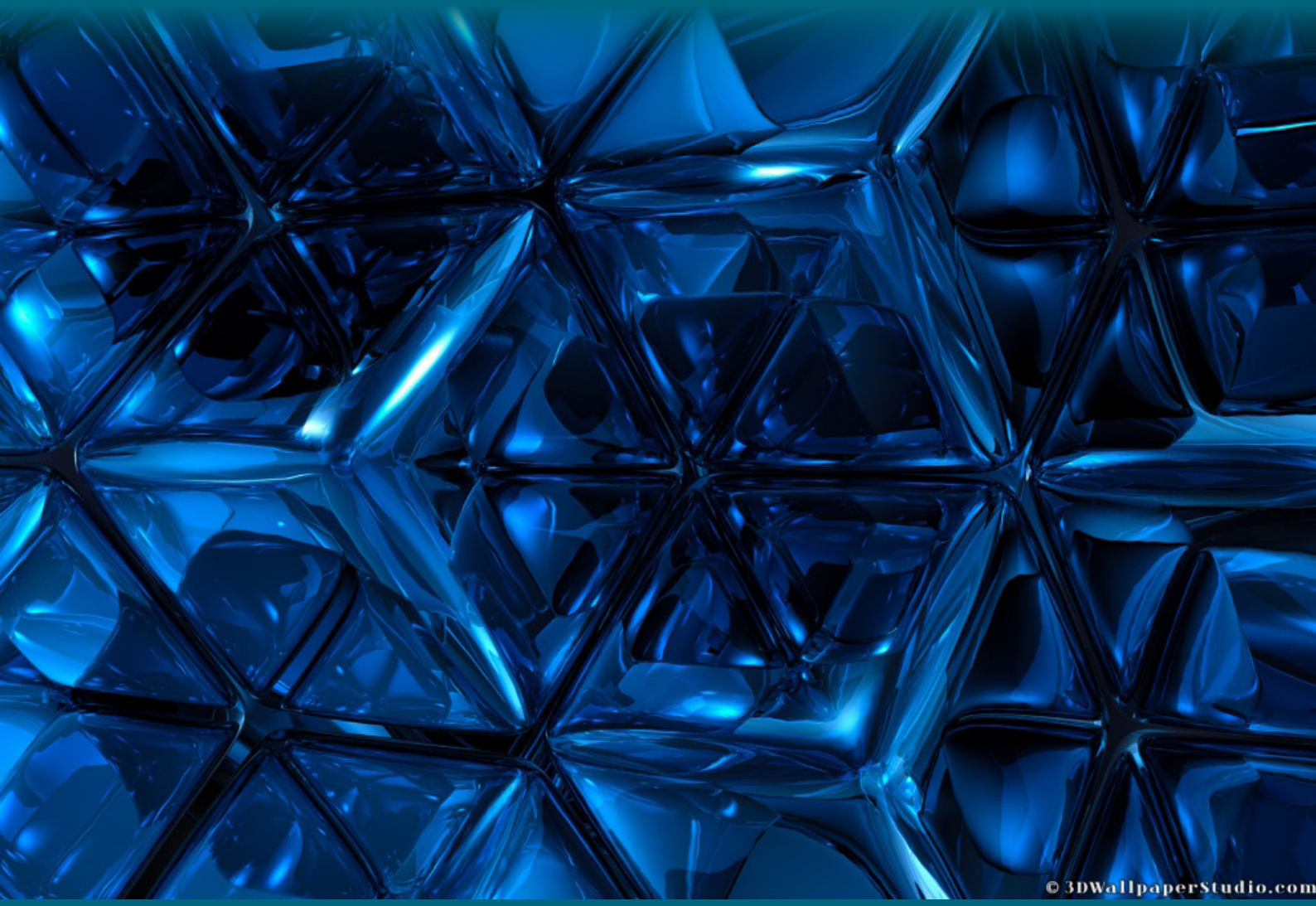






3rd Edition of International Conference on

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