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** Nicolas Recalde, South Carolina University, USA

Agenda Day 2: June 05, 2018

Bleriot 1

09:00-10:00 Registrations

Keynote Forum

10:00-10:40	**Title: Identification of the defect clusters in congruent lithium tantalate** 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