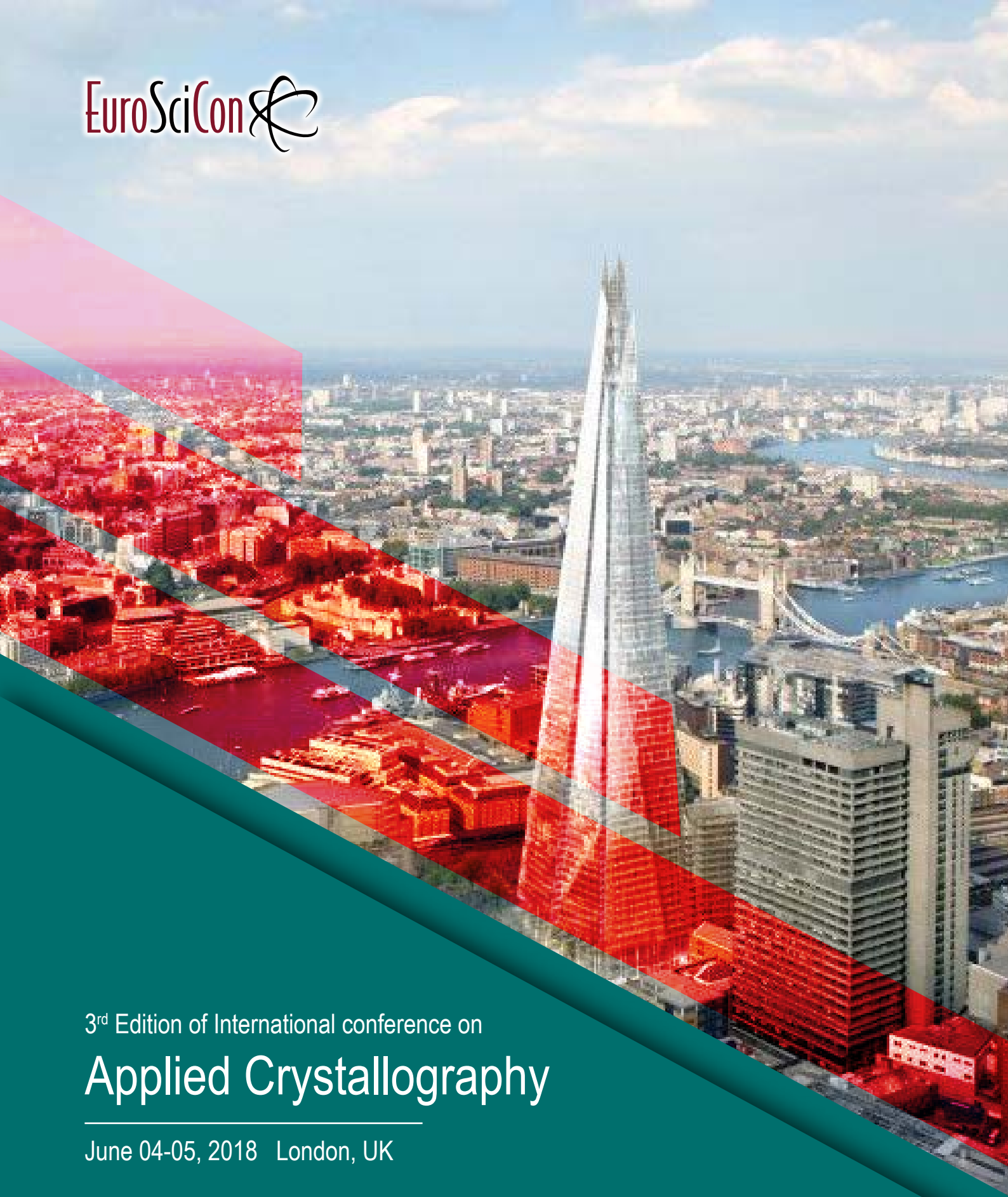
EuroSciCon



3rd Edition of International conference on

Applied Crystallography

June 04-05, 2018 London, UK

Theme:

Crystallography of today is the innovation of tomorrow

Tentative Program

June 04, 2018: Day One

Morning Session	8:00-09:00	Registration
	09:00-09:15	Opening Remarks
	09:15-09:45	Keynote Presentation 1
	09:45-10:15	Keynote Presentation 2
	10:15-10:45	Keynote Presentation 3
	10:45-11:15	Panel discussion and Group Photo
		Morning Coffee and Networking
	11:15-13:15	Speaker Presentation Slots (20-25 minutes each presentation)
Evening Session	13:15-14:15	Lunch and Networking
	14:15-15:30	Speaker Presentation Slots (20-25 minutes each presentation)
	15:30-15:45	Evening Coffee and Networking
	15:45-17:00	Speaker Presentation Slots (20-25 minutes each presentation)
	17:00-17:30	Panel Discussions and Award Ceremony

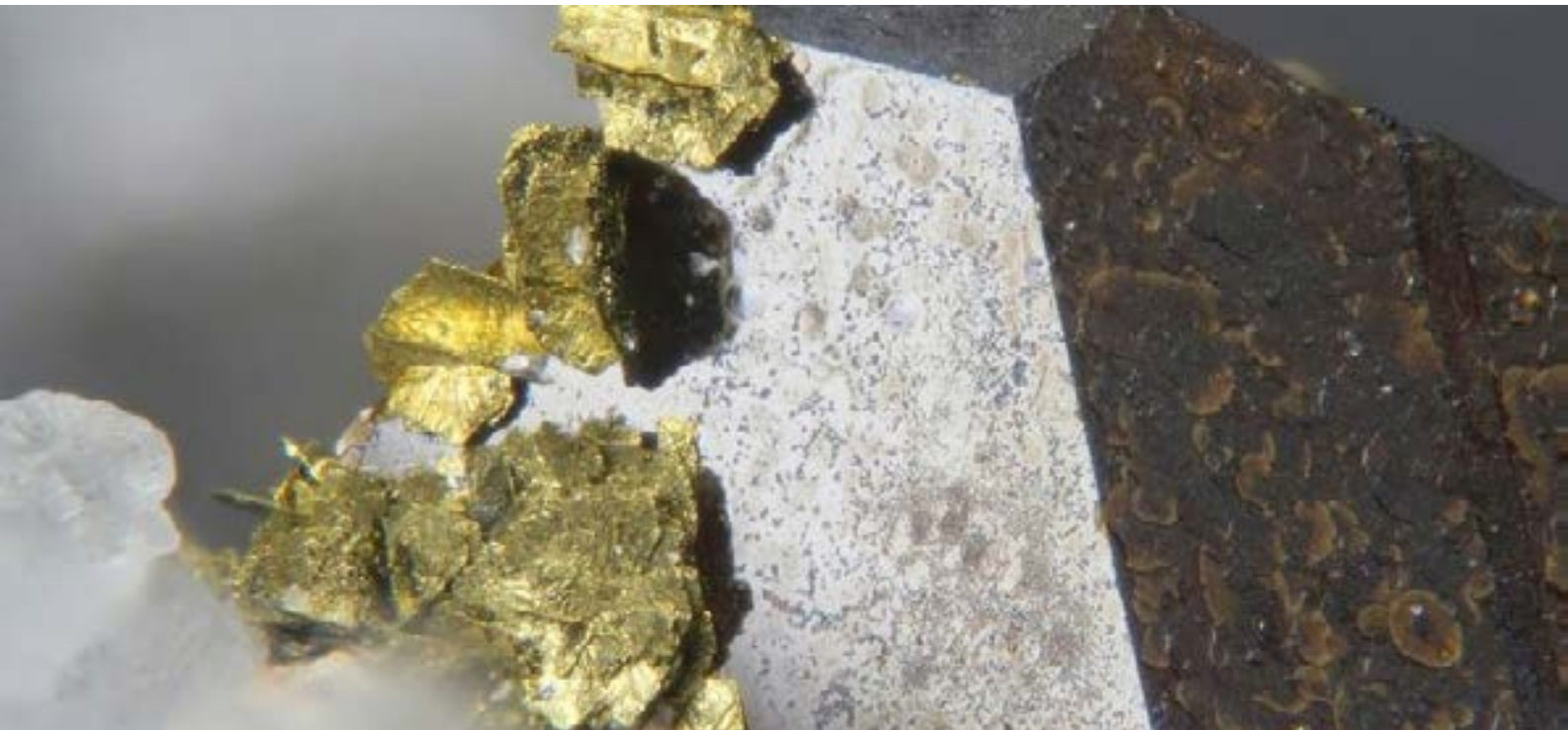
June 05, 2018: Day Two

Morning Session	09:45-10:15	Keynote Presentation 1
	10:15-10:45	Keynote Presentation 2
	10:45-11:15	Panel discussion
		Morning Coffee and Networking
	11:15-13:15	Speaker Presentation Slots (20-25 minutes each presentation)
	13:15-14:15	Lunch and Networking
Evening Session		
	14:15-15:30	Speaker Presentation Slots (20-25 minutes each presentation)
	15:30-15:45	Evening Coffee and Networking
	15:45-17:00	Poster presentations
	17:00-17:30	Panel Discussions ,Award Ceremony and Closing Remarks

Conference Highlights

- Advanced Crystallography
- Crystallography In Biology
- Chemical Crystallography
- Crystal Growth
- Crystallography Of Novel Materials
- Electron Crystallography
- Recent Development In The X-Ray Studies
- Crystallography Applications
- Crystallographic Defects
- Crystallography Companies And Market Analysis

For detailed sessions, please visit:
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Registrations

Windsor I

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Opening Ceremony

Keynote Forum

Introduction

Title: Crystal structure and organic solid-state reactions

Gerd Kaupp, University of Oldenburg, Germany

Networking and Refreshments Break and Group Photo

Group Photo @ Windsor I

Title: Orientational disorder of dipolar molecules: A key to understand polarity formation in materials

Jurg Hulliger, University of Berne, Switzerland

Panel Discussion

Sessions: Advanced Crystallography | Crystallography in Biology | Recent development in X-ray studies and Crystallography Applications

Session Chair: Gerd Kaupp, University of Oldenburg, Germany

Session Introduction

Title: Breathing crystals - P,T-induced dynamics of heterospin crystals
Victor Ovcharenko, International Tomography Center, Russia
Title: Structure-based mechanistic insights into PAM-dependent spacer acquisition for incorporation into the CRISPR array
Yanli Wang, Chinese Academy of Sciences, China
Title: Two alternative structures of oxygen-evolving complex in photosystem II found by X-ray crystallography at extremely low doses
Nobuo Kamiya, Osaka City University, Japan
Title: Hydrated Nickel(II) ions- The new secondary building units for the formation of 2D and 3D cationic water networks
Geeta Hundal, Guru Nanak Dev University, India

Lunch Break

Title: Structural insights into the activation process of the opioid mu receptor
Helene Demene, Centre of Biochimie Structrale, France
Title: Numerical simulation of liquid phase diffusion growth of SiGe single crystals using fixed and dynamic grid techniques: A comparison
Mandeep Sekhon, University of California, USA
Title: Structure determination by correlated scattering
Dilano K Saldin, University of Wisconsin-Milwaukee, USA

Networking and Refreshments Break

Title: Structural insights into mode of regulation of serine protease HtrA2
Kakoli Bose, Tata Memorial Centre, India
Title: Structure determination from powder diffraction data of self-assembled structures consisting of beta-peptide foldamers
Jintaek Gong, Korea Advanced Institute Science and Technology, Republic of Korea

Panel Discussion

Windsor I

Keynote Forum

Introduction

Title: Attrition-induced deracemization of racemizable crystal-liquid suspensions for the production of industrially relevant compounds
Richard M. Kellogg, Syncom BV, The Netherlands

Title: Macromolecular computational crystallography: Looking forward (and backward)
Alexandre Urzhumtsev, Université de Lorraine, France

Networking and Refreshments Break

Crystallography in Materials Science

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

Session Introduction

Title: Local atomic arrangement in Ge-Sb-Te phase-change thin films
Andriy Lotnyk, Leibniz Institute of Surface Modification (IOM), Germany
Title: NMR Crystallography: when nuclear magnetic resonance and diffraction meet
Christian BONHOMME, Pierre et Marie Curie University, France
Title: Directionally tunable and mechanically deformable ferroelectric crystals from rotating polar globular ionic molecules
Tamotsu Inabe, Hokkaido University, Japan
Title: Redox orbital and electronic structure in energy materials by Compton scattering spectroscopy
Kosuke Suzuki, Gunma University, Japan
Title: Algorithms for generating Coincidence Site Lattices (CSLs) and near-CSLs in arbitrary bravais lattice systems
Srikanth Patala, North Carolina State University, USA
Title: Synthesis of (doped) ABO2 nanoparticles: Can this work at temperatures ≤ 90 °C without using an additional reducing agent?
Melanie John, Ludwig-Maximilians-Universität München, Germany

Lunch Break

Title: Crystallographic and molecular packing interaction analysis of cholest-based steroids: A CSD study
Rajni Kant, University of Jammu, India
Title: Synthesis and applications of porous materials for gas storage
Li-Xian SUN, Guilin University of Electronic Technology, China
Title: Surfactant-mediated shape evolution of 3D organic molecular architecture
Myobin Jeon, Korea Advanced Institute Science and Technology, Republic of Korea

Networking and Refreshments Break

Title: A new approach for estimating the density of noncrystalline materials
Takahiro Sakagami, Ehime University, Japan
Title: Effect of change in structural properties on gas sensing performance of Polyaniline-SrO2 nanocomposites
Janhavi Talegaonkar, R. L. College, India
Title: Crystal growth of gallium oxide based wide bandgap semiconductors
Qixin Guo, Saga University, Japan

Panel Discussions

Windsor I

Chemical Crystallography

Session Chair: Jean-Guillaume Eon, Universidade Federal do Rio de Janeiro, Brazil

Session Introduction

Title: Topological features in crystal structures: A quotient graph-assisted analysis of underlying nets and their embeddings
Jean-Guillaume Eon, Universidade Federal do Rio de Janeiro, Brazil

Title: X-ray crystal structures of the one-electron oxidized metal–phenolate complexes; Geometric and electronic structures relationship
Yuichi Shimazaki, Ibaraki University, Japan

Networking and Refreshments Break

Title: Magnetic ordering, frustration and possible spin liquid state from 1D Cr3-triangles in the TiCrIr2 xOsxB2 series
Boniface P T Fokwa, University of California-Riverside, USA

Title: Oxide cluster-surfactant hybrid single crystals toward solid electrolyte
Takeru Ito, Tokai University, Japan

Title: The investigation of chemical crystallography and kinetic reactivity of Re(I) tricarbonyl complexes
Marietjie Schutte-Smith, University of the Free State, South Africa

Title: Relations between crystal structures and physical properties in the ternary systems cextysnz (t = pd or pt)
Werner Paschinger, University of Vienna, Austria

Lunch @ Churchill

Award Ceremony



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