

INTERNATIONAL YEAR OF CRYSTALLOGRAPHY (IYCr2014)
Opening Ceremony, Room I, UNESCO, Paris, 20-21 January 2014
Preliminary Programme

Day 1 | 20 January

08:30-09:55	Registration Video clip of the International Year of Crystallography
10:00-10:55	Welcome Neil Ford , Director of the Division of Public Information of UNESCO, Moderator Ban Ki-moon , Secretary-General of the United Nations by video-message Irina Bokova , Director-General of UNESCO Gautam R. Desiraju , President of the International Union of Crystallography (IUCr) Soumaia Benkhaldoun , Vice-Minister of Higher Education and Research of Morocco Messages from International and National Organizations, speakers: Alain Fuchs , President of the French Centre National de la Recherche Scientifique (CNRS) Nicole Moreau , Past-President of the International Union of Pure and Applied Chemistry (IUPAC), Chair of the Organizing Committee of IYC - from IYC to IYCr John Dudley , President of the European Physical Society, Chair of the Steering Committee of IYL - from IYCr to IYL Walter Maresch , President of the International Mineralogical Association (IMA) Gregory Petsko , President of the International Union of Biochemistry and Molecular Biology (IUBMB) Claude Lecomte , Vice-President of IUCr - From the Africa Initiative to the IUCr-UNESCO OpenLabs
10:55-11:30	Lecture on milestones in crystallography and future perspectives Christian Brönnimann , Introduction Jenny Glusker - Crystallography: past, present and future
11:30-12:00	Coffee break
12:00-13:10	Session 1: Young talented crystallographers of the world Philip Ball , Moderator
12:00-12:40	Short talks from young crystallographers from all regions of the world <u>Speakers:</u> Africa: Yvon Bibila (Côte d'Ivoire), Delia Haynes (South Africa) Arab States: Mohamed Eddaoudi (Saudi Arabia) Asia: Rumana Akther Jahan (Bangladesh), Ji-Joon Song (Republic of Korea) Latin America: Adriana Serquis (Argentina) Eastern Europe: Marcin Nowotny (Poland) Western Europe and North America: Anders Ø. Madsen (Denmark)
12:40-13:10	Roundtable on careers in crystallography Declarations of young scientists to world governments to be collected in a booklet on careers and future developments of crystallography
13:10-14:50	Lunch break
14:50-15:30	Nobel laureate lecture Jules Tenon , Introduction Brian K. Kobilka - Structural insights into G-protein coupled receptor signalling Judith Howard , Summary remarks
15:30-18:00	Session 2: Crystallography in emerging nations: success stories and the role for development in the BRICS countries Neil Ford , Director of the Division of Public Information of UNESCO, Chair/Facilitator Hao Ping , President of the 37 th session of the General Conference of UNESCO Irina Bokova , Director-General of UNESCO Vinay Sheel Oberoi , Ambassador, Permanent Delegate of India to UNESCO <u>Speakers:</u> Thirumalachari Ramasami , Secretary, Department of Science and Technology, Government of India – India Glaucius Oliva , President of the Brazilian National Council for Scientific and Technological Development (CNPq) – Brazil
16:35-17:00	Coffee break

Thomas Auf der Heyde, Deputy Director-General at the South African national Department of Science and Technology (DST); **Catharine Esterhuysen**, President of the South African Crystallographic Society – **South Africa**

Mikhail Kovalchuk, Director of the National Research Center “Kurchatov Institute”, Chairman of the Russian National Committee for Crystallography – **Russian Federation**

Gao Song, President of the Chinese Crystallographic Society (CCrS) – **China**

Day 2 | 21 January

09:00-11:15 Session 3: **Crystallography for society and the future**

Johannes Friso van der Veen, Chair and introduction

John Spence - From X-ray tubes to X-ray lasers

Martijn Fransen - Crystallography in our daily lives

Rigaku's video clip - Applications of crystallography

Juliette Pradon - Crystallography research in the developing world

Sunday Asuquo Thomas, Introduction

David Bish and **David Blake** - Crystallography in the study of the Universe

Frank Burgäzy - A Short History of Crystallographic Technology

Diego Lamas, Introduction

Philippe Walter - Crystallography in the studies of art and historical artefacts

11:15-11:45 Coffee break

11:45-12:45 Session 4: **Crystallography, symmetry and art**

Hocine Merazig, Chair and introduction

Abdelmalek Thalal - Symmetry in art and architecture of the western Islamic Golden Age

Emil Makovicky - Highlights of eastern Islamic ornamental art as seen through crystallographers' eyes

Peter J. Lu – Modern math in medieval Islamic architecture

12:45-13:20 Session 5: **Crystallography and peace**

Samar Hasnain, Chair and introduction - IUCrJ and crystallography working across nations

Chris Llewellyn Smith - SESAME: Fostering science, building bridges

13:20-13:30 **Closing remarks - International Basic Sciences Programme (IBSP) of UNESCO and IYCr2014**

Maciej Nalecz, Director, Executive Secretary of the International Basic Sciences Programme (IBSP) of UNESCO