



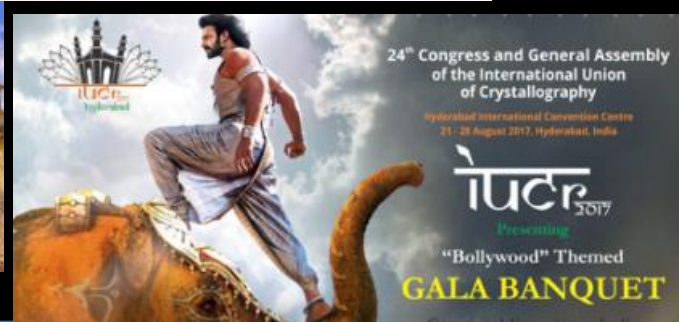
# 24<sup>th</sup> Congress and General Assembly of the International Union of Crystallography Hyderabad International Convention Centre 21 - 28 August 2017, Hyderabad, India



IUCr journals top  
crystallography  
impact factors



journals.iucr.org



IUCr 2017 Congress Program at a Glance, 21-28 August 2017, HICC, Hyderabad, INDIA

|           | August 20<br>Sunday    | August 21<br>Monday                      | August 22<br>Tuesday      | August 23<br>Wednesday                     | August 24<br>Thursday   | August 25<br>Friday                                     | August 26<br>Saturday     | August 27<br>Sunday       | August 28<br>Monday       |
|-----------|------------------------|--|---------------------------|--|---|---|---------------------------|---------------------------|---------------------------|
| 0800-0900 |                        | Registration<br>0800-1700                | Registration<br>0800-1700 | Registration<br>0800-1700                  | Registration<br>0800-1700   | Registration<br>0800-1700                               | Registration<br>0800-1700 | Registration<br>0800-1700 | Registration<br>0800-1700 |
| 0900-1000 |                        | WS 1 to 6                                | KN 1-2-3                  | KN 7-8-9                                   | KN 13-14-15   | KN 19-20-21   | KN 25-26-27               | KN 31-32-33               | KN 37A/B-38-39            |
| 1000-1030 |                        | Coffee Break                             | Coffee Break              | Coffee Break                               | Coffee Break  | Coffee Break  | Coffee Break              | Coffee Break              | Coffee Break              |
| 1030-1305 |                        | Workshops                                | MS 1 to 9                 | MS 19 to MS 27                             | MS 37 to 45   | MS 55 to 63   | MS 73 to 81               | MS 91 to 99               | MS 109 to 117             |
| 1305-1455 | Registration 1400-1900 |  | Lunch & Posters           | Lunch & Posters<br>(Dectris Lunch Seminar) | Lunch & Posters<br>(Xenocs Lunch Seminar)<br>(Thermo Fisher Scientific Lunch Seminar) | Lunch & Posters<br>(Molecular Dimensions Lunch Seminar) | Lunch & Posters           | Lunch                     | Lunch                     |
| 1455-1600 |                        | Workshops                                | MS 10 to 18               | MS 28 to 36                                | MS 46 to 54   | MS 64 to 72   | MS 82 to 90               | MS 100 to 108             | MS 118 to 126             |
| 1600-1730 |                        |  |                           |  |   |   |                           |                           |                           |
| 1730-1800 |                        |  | Coffee Break & Posters    | Coffee Break & Posters                     | Coffee Break & Posters  | Coffee Break & Posters                                  | Coffee Break & Posters    | Coffee Break              | Coffee Break              |
| 1800-1900 |                        | Opening Ceremony and Ewald Prize Lecture | KN 4-5-6                  | KN 10-11-12                                | KN 16-17-18   | KN 22-23-24   | KN 28-29-30               | KN 34-35-36               | PL 3<br>Giacomo Chiari    |
| 1900-2000 |                        | Welcome Reception                        | IUCr General Assembly 1   | CCDC Reception                             | PL 1<br>Susumu Kitagawa   | PL 2<br>John Spence                                     | IUCr General Assembly 3   | Congress Dinner (Banquet) | Closing Ceremony          |
| 2000-2200 |                        |  |                           | IUCr General Assembly 2                    |   |   |                           |                           |                           |

As on 25 July 2017



## IUCr XXIV Local Organizing Committee



M. Zema

U.  
Ramamurty

K.  
Biradha

J.A.R.P.  
Sarma

G.R.  
Desiraju  
(Chair)

C.M.  
Reddy

R.  
Banerjee

R.K.R.  
Jetti (Vice  
Chair)





# IUCr XXIV International Program Committee



G. R. Desiraju (Chair)



P. Chakrabarti (Vice Chair)



C.B. Aakeroy



E. Antipov



G. Artioli



R. Banerjee



P. Bombicz



J.F. Britten



S.K. Burley



X.M. Chen



K. Djinovic-Carugo



U. Grimm



P. Grochulski



J. Gulbis



J.M. Guss



S.S. Hasnain



F. Jalilehvand



J. A. Kaduk



A. Katrusiak



L. Kroon-Battenburg



A. Rafalska-Lasocha



T.J. Sato



I. Kuta Smatanova



L. Suescun



Y.J. Sun



F. Taulelle



D. Turk



D. Van Dyck



P. Macchi



P. McArdle



G.J. McIntyre



S. Qiu



M. Weiss



A. Zappettini



**Marvin L Hackert**  
President



**Mike Glazer**  
Vice-President



**Luc Van Meervelt**  
General Secretary  
& Treasurer



**Gautam Desiraju**  
Immediate Past President



**Hanna Dabkowska**



**Wulf Depmeier**



**Santiago Garcia-Granda**



**Mitchell Guss**



**Radomir Kuzel**



**Masaki Takata**

# IUCr Executive Committee



**Malcolm Cooper**  
Convener



**Luc Van Meervelt**  
General Secretary & Treasurer



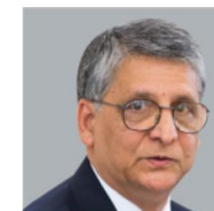
**Marvin L Hackert**  
President



**Mike Glazer**  
UK member of  
Executive Committee



**Chris Gilmore**  
additional UK member



**Samar Hasnain**  
Chair of Commission  
on Journals



**S.N. Rao**  
adviser on investments

# IUCr Finance Committee



# Mike Dacombe retires as IUCr Executive Secretary



**Michael H. Dacombe**  
**Executive Secretary IUCr**  
**2 Abbey Square**  
**Chester CH1 2HU**  
**UK**

## **IUCr Career**

**1975 – Editorial Assistant**

**1986 – Technical Editor**

**1993 - Executive Secretary**

- **succeeded Jim King**
- **9 IUCr Presidents / 9 IUCr Congresses / 4 General Sec.-Treas.**
- **move to Abbey Square**
- **paper Acta A, Acta B, J. Appl. Cryst. to 9 online journals**

**... and is succeeded by Alex Ashcroft**

**D. Phil. from Oxford U.**  
**Chemical Crystallography**  
**Laboratory**





# IUCr beginnings

## 1948 First IUCr Congress & General Assembly, Harvard, USA



1947 the IUCr, founded **after an idea of P.P. Ewald**, is accepted into ICSU

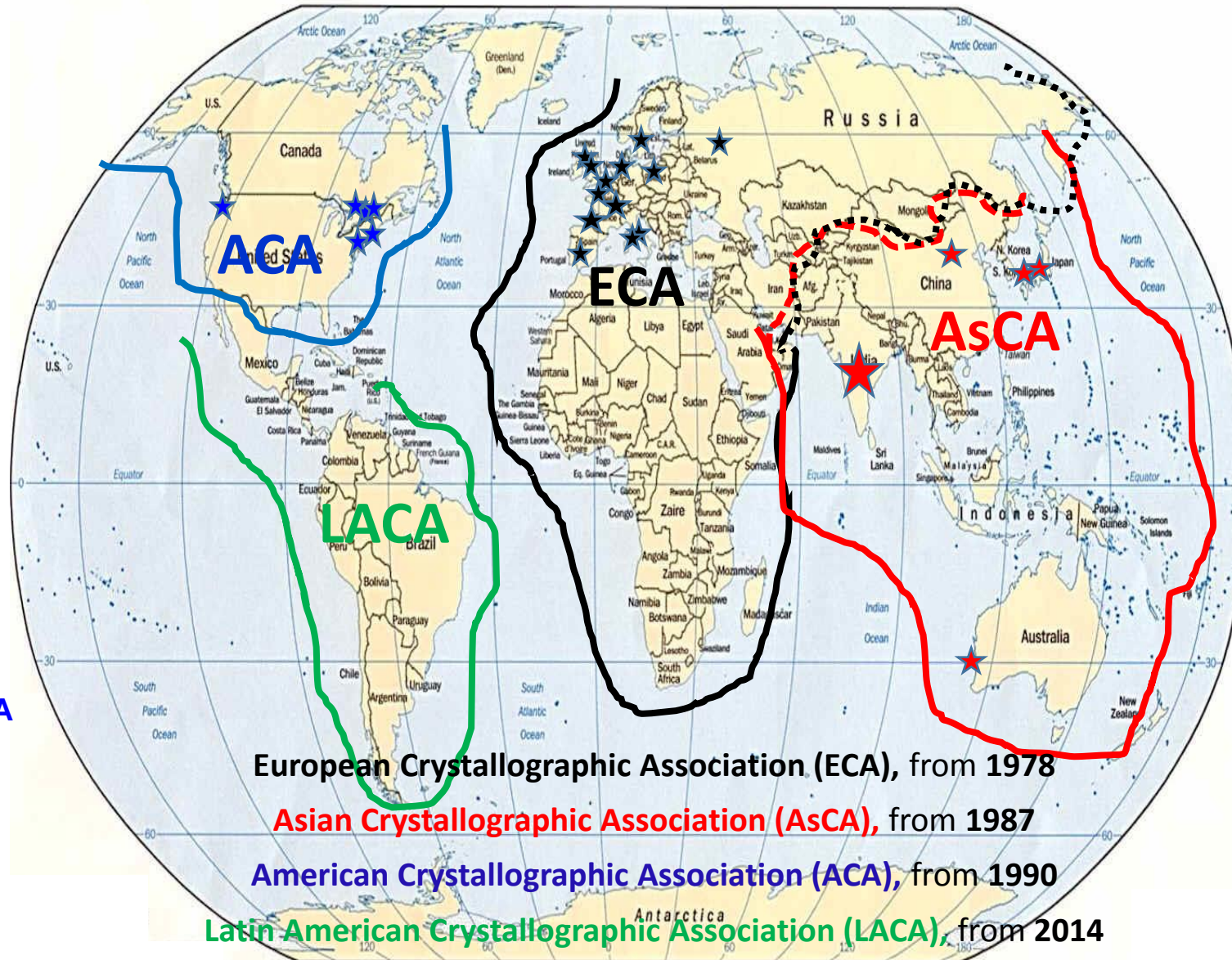
**Ewald:** *Chairman of the Provisional International Crystallographic Committee (1946-1948)*

1948 W L Bragg first elected President by the General Assembly

1948 the first issue of *Acta Crystallographica* is released



# IUCr I - IUCr XXIV



1948 - Cambridge, USA  
1951 - Stockholm  
1954 - Paris  
1957 - Montreal  
1960 - Cambridge, UK  
1963 - Rome  
1966 - Moscow  
1969 - Stony Brook, USA  
1972 - Kyoto  
1975 - Amsterdam  
1978 - Warsaw  
1981 - Ottawa

1984 - Hamburg  
1987 - Perth  
1990 - Bordeaux  
1993 - Beijing  
1996 - Seattle  
1999 - Glasgow  
2002 - Geneva  
2005 - Florence  
2008 - Osaka  
2011 - Madrid  
2014 - Montreal  
2017 - Hyderabad

European Crystallographic Association (ECA), from 1978

Asian Crystallographic Association (AsCA), from 1987

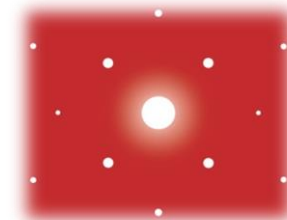
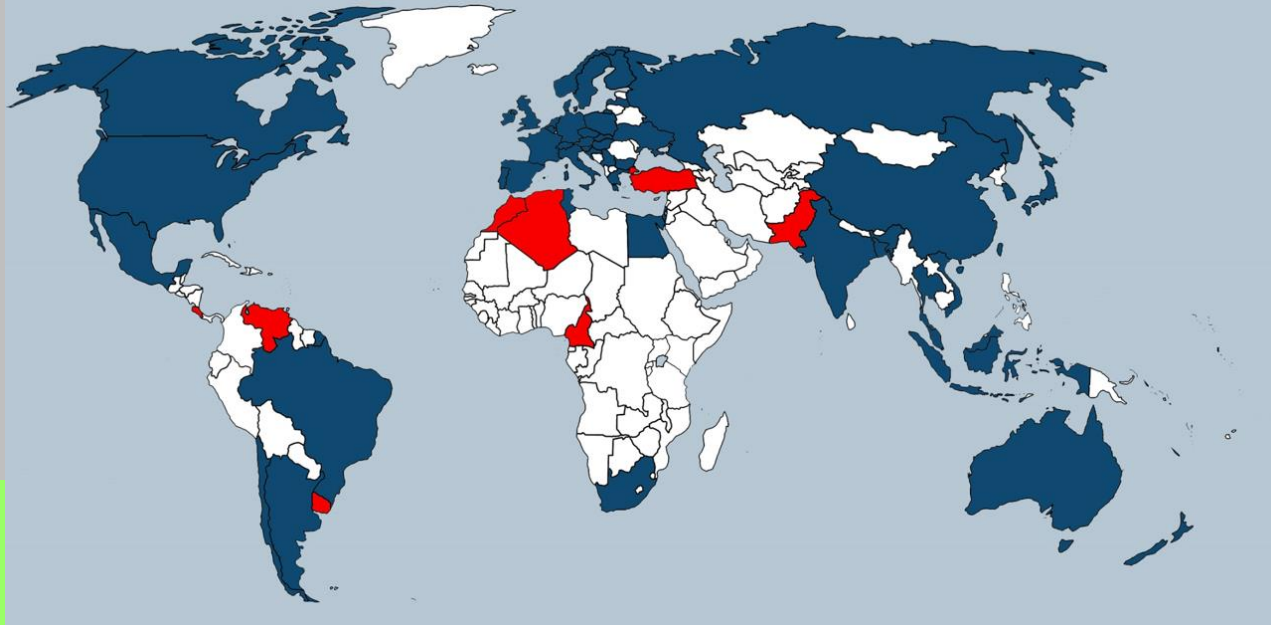
American Crystallographic Association (ACA), from 1990

Latin American Crystallographic Association (LACA), from 2014

## Regional Associates of the IUCr



# IUCr Aims

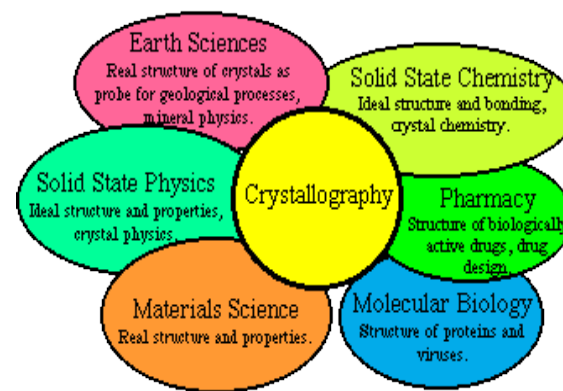


contribute to the advancement of crystallography in all its aspects, including related topics concerning the non-crystalline state

promote international cooperation in crystallography



promote international publication of crystallographic research



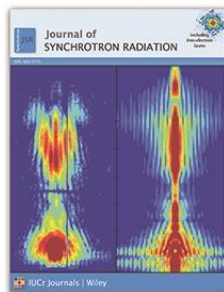
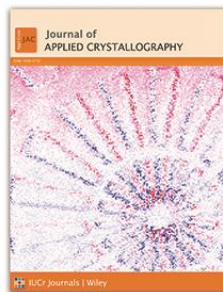
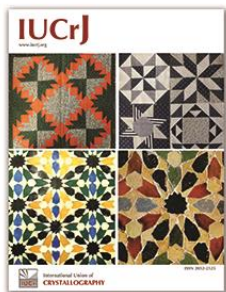
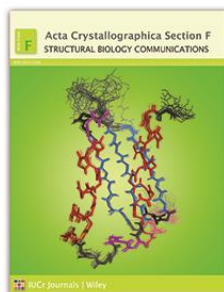
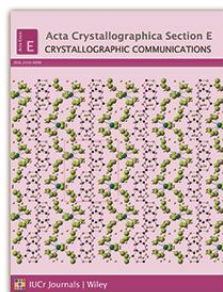
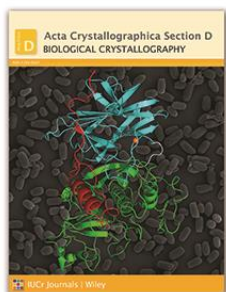
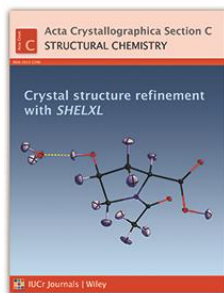
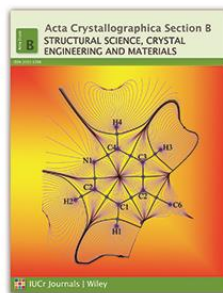
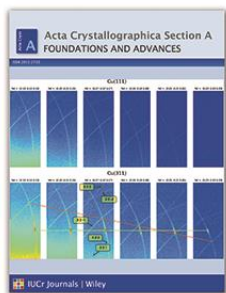
form a focus for the relations of crystallography to other sciences.

$P2_12_12$

facilitate standardization of methods, units, nomenclatures and symbols



# Journals



Publish in  
IUCr  
Journals

## International Tables for Crystallography

**Volume A** Space-group symmetry

**Volume A1** Symmetry relations between space groups

**Volume B** Reciprocal space

**Volume C** Mathematical, physical and chemical tables

**Volume D** Physical properties of crystals

**Volume E** Subperiodic groups

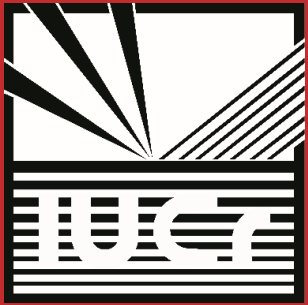
**Volume F** Crystallography of biological macromolecules

**Volume G** Definition and exchange of crystallographic data

**Volume H** Powder diffraction



*to be released soon!*



## IUCr sponsorships

The IUCr sponsors scientific activities and meetings in a number of ways:

- Bursary scheme for supporting young scientists
- Bursary scheme for meetings of Regional Associates
- Visiting Professorships

The IUCr Visiting Professorship scheme aims to support some of the costs of having internationally recognized scientists as lecturers for short courses at workshops or schools organized in developing countries.

- Scientific conferences and workshops
- Journal subscriptions
- Crystallography in Africa, Latin America, SE Asia

**Publish in  
IUCr  
Journals**



2014

international year of  
crystallography



United Nations  
Educational, Scientific and  
Cultural Organization



International  
Union of  
Crystallography

Partners for the International Year of Crystallography 2014

# Opening Ceremony

UNESCO, Paris, 20-21 January 2014





IUCr

To build on the successes of the International Year of Crystallography 2014, the IUCr is embarking on an ambitious set of new initiatives to ensure that this newly kindled flame does not go out. More **OpenLabs** will be commissioned; more sustained efforts will be made in **capacity building**; more effort will go into **public outreach** activities:

- ✓ to enhance the stature of crystallography
- ✓ to build capacity in developing regions of the world
- ✓ to extend further the public understanding of science in general and crystallography in particular

**LAAMP**

<http://laamp.iucr.org>



Lightsources for **Africa**, the **Americas** and **Middle East Project**

Lead institutions: **IUPAP** and **IUCr**

Grant awarded under the 2016-2019 ICSU Grants Programme: **€ 300K**

Grant period: 3 years





IUCr Legacy



IUCr ASSOCIATES PROGRAMME



# IUCr Associates Programme

The **Associates Programme** provides a home for crystallographers and offers a number of benefits for their professional development. The Associates Programme also supports the IUCr to continue its outreach efforts which are crucial in bringing crystallography and crystallographic training to all parts of the world.



IUCr



IUCr ASSOCIATES PROGRAMME

# IUCr Associates Programme benefits

- Discount on the open access fee
- A number of free article downloads from IUCr Journals Online
- Resources to help you achieve your professional goals
- 50% discount on International Tables
- Discounts from other publishers books such as Oxford University Press, Wiley and Taylor and Francis
- Professional networking opportunities

*Visit the IUCr stand 47-50 to sign-up for the Associates Programme to receive your IUCr pin and welcome pack.*





The **Ewald Prize**, established in 1986, recognizes **outstanding contributions to the science of crystallography**. The Prize recognizes Professor Ewald's significant contributions to the foundations of crystallography, the **founding of the International Union of Crystallography**, his services as the **President of the Provisional International Crystallographic Committee** from 1946 to 1948 and as the **first Editor of the IUCr's publication Acta Crystallographica** from 1948 to 1959, and as the **President of the IUCr** from 1960 to 1963. The Prize consists of a medal, a certificate and a cash award. The Ewald Award is presented once every three years during the International Congresses of Crystallography.

|      |             |   |
|------|-------------|---|
| 1987 | - Perth     | - J.M. Cowley and A.F. Moodie               |
| 1990 | - Bordeaux  | - B.K. Vainshtein                           |
| 1993 | - Beijing   | - N. Kato                                   |
| 1996 | - Seattle   | - M. G. Rossmann                            |
| 1999 | - Glasgow   | - <b>G. N. Ramachandran</b>                 |
| 2002 | - Geneva    | - M. M. Woolfson                            |
| 2005 | - Florence  | - P. Coppens                                |
| 2008 | - Osaka     | - D. Sayre                                  |
| 2011 | - Madrid    | - E. Dodson, C. Giacovazzo, G. M. Sheldrick |
| 2014 | - Montreal  | - A. Janner, T. W. J. M. Janssen            |
| 2017 | - Hyderabad | - ??  |



**Paul Peter Ewald**  
(Jan. 1888 – Aug. 1985)

# Sir Tom Blundell

Oxford – 1964 – Natural Sciences  
– 1969 – Crystallography (H M Powell)  
– Structure of insulin (D Hodgkin)

Sussex / Birkbeck (London) / Cambridge

Awards:      1984 Fellow Royal Society  
                 1986 Alcon Award  
                 1987 Krebs Medal  
                 1997 Knighthood  
                 2017 Ewald Prize



Sir Thomas Leon Blundell

The **11<sup>th</sup> Ewald Prize** awarded to **Sir Tom Blundell** (Cambridge) as one of the leaders in crystallographic innovation, especially at the interface with life sciences; starting with his work on determining the structure of insulin with Dorothy Hodgkin, he determined an exceptionally broad array of medically critical human protein structures, championing methods enabling drug design and discovery through structural optimization, crystallographic fragment screening, and computational modelling.