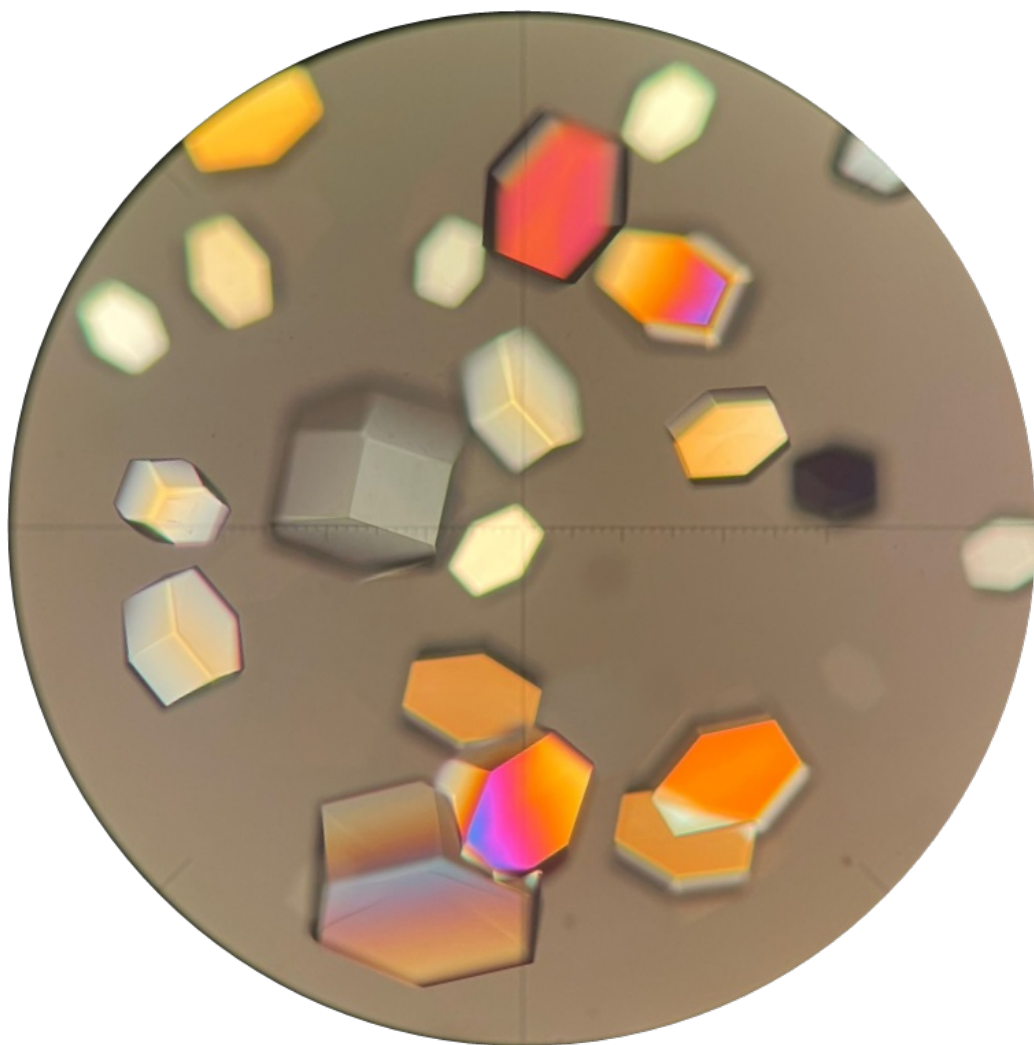




European
Crystallographic
Association



2023

About ECA membership & scope



The European Crystallographic Association (ECA) is a scientific association having as objectives the advancement of crystallography in all its aspects and to promote cooperation in crystallography between the countries of Europe, Africa and the Middle East. ECA is one of the three regional affiliates of IUCr. Our sister affiliates are the American Crystallographic Association (ACA), the Latin American Crystallographic Association (LACA), the Asian Crystallographic Association (AsCA) and the recently constituted African Crystallographic Association (AfCa). Crystallographic Organizations from countries within the ECA geographic area can affiliate as ECA National Members. Individual and Corporate membership is also welcome.

The activity of different scientific field is organized and coordinated by groups of members called Special Interest Groups (SIGs). Cross-disciplinary interests are handled by General Interest Groups (GIGs).

The ECA acknowledges three types of membership:

Individual Members: Individual scientists joining ECA as members of the association.

Corporate Affiliate Members: Legal bodies (institutions or corporations).

National Members: National adhering bodies, usually Crystallography Associations or Committees.

The ECA wishes to promote individual membership as the expression of personal scientific commitment to the development of crystallography. The ECA awards prizes, supports meetings, schools, conferences, workshops and grants bursaries to participants. The Individual Member fee costs 10 eur/year and is a contribution to these activities. In addition, Individual Members:

- are encouraged to participate in the organisation of scientific programmes via the SIGs, and in transversal and networking programmes via the GIGs
- pay reduced fees at the European Crystallographic Meetings and are recognisable by distinctive badges
- get discounts for books and journals published by Taylor & Francis
- participate in decision making within the ECA through their elected representatives in the Council
- are represented in the IUCr via the ECA, even if their country does not have representatives in the IUCr.

More on ECA membership at
<http://ecanews.org/about-eca/membership/>



Thematic scope: Special (SIG) and General (GIG) Interest Groups

SIG Name

- 1 Macromolecular Crystallography
- 2 Quantum Crystallography
- 3 Aperiodic Crystals
- 4 Electron Crystallography
- 5 Mineral and Inorganic Crystallography
- 6 Instrumentation and Experimental Techniques
- 7 Molecular Interaction and Recognition
- 8 Powder Diffraction (EPDIC)
- 9 Crystallographic Computing
- 11 Crystallography Under Extreme Conditions
- 12 Crystallography of Functional Materials
- 13 Molecular Structure and Chemical Properties
- 14 Dynamics, Disorder, Diffuse scattering

Chair /Co-chair/ Secretary

M. Thunnissen / J. Dohnalek / R. Keegan
 K. Woźniak / S. Grabowsky / A. Genoni
 J. Claridge / S. van Smaalen / M. Dusek
 T. Gorelik / S. Kodjikian / L. Palatinus
 M. Colmont / S. V. Krivovichev / O. Siidra
 U. Pietsch / M. Cianci
 C. Esterhuysen / S. Galli / N. Báthori
 P. Scardi / J. Popović
 M. Lutz / A. Thorn / H. Powell
 Y. Filinchuk / M. Merlini / M. Bykov
 M. Hinterstein / J. Rouquette
 P. Bombicz / T. Duarte / K. Edkins
 A. Ø. Madsen/ B. Wehinger/ A. Simonov

GIG Name

- 1 Young Crystallographers
- 2 Senior Crystallographers
- 3 Education in Crystallography

Chair / Co-chair / Secretary

P. Hans / P. P. Mazzeo / H. Butkiewicz
 B. Clegg / H. Stoeckli-Evans
 A. Guerri, C. Massera, K. Dziubek

More on SIGs and GIGs: <http://ecanews.org/current-interest-groups/>

Geographic scope: National Members

	Albania		Algeria		Austria		Belgium
	Bulgaria		Croatia		Czech Republic		Denmark
	Egypt		Finland		France		Germany
	Greece		Hungary		Ireland		Israel
	Italy		Kosovo		Latvia		North Macedonia
	Morocco		Netherlands		Norway		Poland
	Portugal		Serbia		Slovak Republic		Slovenia
	South Africa		Spain		Sweden		Switzerland
	Tunisia		Turkey		Ukraine		United Arab Emirates
	United Kingdom						

More on National Members:

<http://ecanews.org/about-eca/membership/national-members/>

ECA supports crystallographic education



The ECA is strongly committed to crystallographic education and outreach. Our actions include organization, sponsoring and dissemination of schools, workshops, seminars, etc. The ECA regularly provides financial support to schools within the ECA region. Typically 7000 Euros per year are devoted to student bursaries.

In addition, the ECA promotes a high level European Crystallography School (ECS) for continuous education in crystallography that is a regular event to be hosted each time in a different country.

ECS objectives are:

to rationalize the presentation of related subjects
to offer to students or young scientists an excellent opportunity for their advanced education and for starting new contacts and collaborations.

European Crystallography Schools

Since the first school organized in Pavia in 2014 to the most recent one in Lisbon this year, ECS represents the occasion for students across the world to meet, study and discuss on crystallography and its recent developments.

- The 7th ECS was held from July 10th to 15th 2022 in Lisbon (Portugal).
- The 8th ECS was held from 18th to 24th June 2023 in Berlin (Germany).
- The 9th ECS will be held from 24th to 30th June 2024 in Nancy (France).
- The bid for organizing the 10th ECS in 2025 will take place at 2023 ECA Council Meeting.

ECA sponsored schools

2021: 55th Course of the International School of Crystallography – Molecular Crystal Engineering (May 31 – June 5 2021, Erice, Italy)

Second International School on Porous Materials (June 21 – 25 2021, Como, Italy)

2022: 56th Course of the International School of Crystallography – Crystallography under extreme conditions (June 3- 11 2022, Erice, Italy) and 57th Course of the International School of Crystallography – Diffuse scattering: the crystallography of dynamics, defects, and disorder (June 3- 11 2022, Erice, Italy)

More on <https://ecanews.org/eca-supported-schools/>

European Crystallography Schools



ECS9 will be held in Nancy (France), at the site of the Faculté des Sciences et Technologies of Université de Lorraine. ECS9 will deal with: i) X-ray Diffraction theory, ii) structure determination, iii) packing and interaction analyses, iv) aspherical models of the electron density distribution, v) crystallography under constraints.



JUNE 18-24 2023

ECS8 was held in Berlin at the site of the BESSY II electron storage ring operated by the Helmholtz-Zentrum Berlin.

The 2023 School focused on the various applications of X-ray crystallography to powders, small molecules and proteins, covering from the fundamentals of diffraction to the latest developments in the fields.

ECA Lunch Webinars



ECA Lunch webinars is a monthly based webinar series organized by GIG1.

Speakers' list: Alain Gibaud (France), Holger Stark (Germany), Chiara Massera (Italy), Nicole Benedek (USA), Valeri Petkov (USA), Luca Bindi (Italy), Kamil F. Dziubek (Italy), Hosea Nelson (USA), Katharina Edkins (UK), Simon Grabowsky (Switzerland), John R. Helliwell (UK), Melanie Vollmar (UK), Andrea Thorn (Germany).

More on <https://ecanews.org/education/eca-webinars-stay-tuned/>

ECA supports meetings & science

The ECA actively promotes scientific meetings. Thematic meetings are organized by SIGs and GIGs under the auspices of the association.

National meetings organized by National Members are supported and sponsored.

The flagship of ECA activities is the European Crystallographic Meeting (ECM), held every year, except when there is an IUCr Congress. The ECMs are the main meeting point for crystallographers in the ECA region to present their recent research progress. Microsymposia at ECMs are proposed and organized by ECA SIGs. Information on ECMs and guidelines for organizers, along with information on IUCr congresses, national meetings and guidelines for financial support is available at <http://ecanews.org/meetings-2/>

ECM33 2022 Versailles (France)

Versailles will host the 33rd European Crystallographic Meeting in 2022 from August 22nd to 27th with 47 microsymposia, 16 Keynote lectures, 2 plenary lectures. Two public lectures will be dedicated to l'Abbé Haüy, on the bicentennial of his death, and to the renovation of Notre-Dame de Paris, respectively. We will also celebrate the gold and silver anniversaries of ECM and ECA, before jumping in a panoramic boat for a dinner cruise on the Seine! <https://ecm33.fr/>



IUCr 2023 Melbourne (Australia)

The Local Organising Committee of the 26th Congress and General Assembly of the International Union of Crystallography and the Society of Crystallographers in Australia and New Zealand, invite you and your family to join us at the IUCr Congress in Melbourne, Australia from 22-29 August 2023.

<https://iucr2023.org/>



ECM34 2024 Padua (Italy)

The 34st European Crystallographic Meeting, ECM34, will take place in Padua, Italy, from 26 to 31 August 2024.

ECM34 is setting up an attractive programme covering the latest advances in crystallography and related sciences to attract young and senior scientists as well as companies and general public.



Meetings



ECM33

Versailles

23-27 August 2022



26th IUCr Congress

& General

Assembly

Melbourne

22-29 August 2023



ECM34

Padua

26-31 August 2024



ECA promotes scientific excellence

On the occasion of ECMs, the ECA awards three prizes:

The **Max Perutz Prize** for outstanding leadership, scientific contributions or both.

The **Erwin Felix Lewy Bertaut Prize**, in association with the European Neutron Scattering Association (ENSA), to a young crystallographer in recognition of notable experimental theoretical or methodological contributions using crystallographic or neutron scattering methods.

The **Alajos Kálmán Prize** for significant contributions in structural science. The prize is established by the Hungarian Chemical Society and is endorsed by the ECA.

<http://ecanews.org/prizes/>

The **Max Perutz Prize** is awarded in recognition of meritorious achievements in any branch of crystallography by a crystallographer having a clear affiliation with the ECA region and being an individual member of the ECA. The candidate receives the award at the official opening of the following ECM and presents a lecture at this occasion.

The ECA and the ENSA awards a prize in memory of the scientific achievements of the late Erwin Felix Lewy Bertaut, which are cornerstones in both crystallography and neutron scattering. The **Erwin Felix Lewy Bertaut Prize** is awarded to a young scientist having a clear affiliation with the ECA/ENSA region.

The **Alajos Kálmán Prize** is awarded at the ECMs and consists of a medal and a financial award. The awardee delivers a Prize Lecture at the ECM. Candidates can be nominated by ECA Individual or Corporate Members or by associates to National Members.



12th ECA Max Perutz Prize to Em. Prof. William Clegg from Newcastle University, UK.



Alajos Kalman Prize Winners: Prof. Luigi R. Nassimbeni University of Cape Town, South Africa and Prof. Eric Collet, Institute of Physics in Rennes, France.



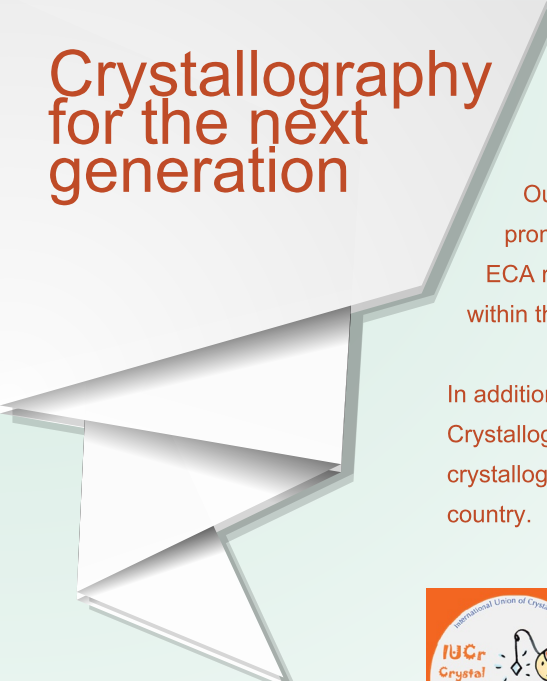
Max Perutz Prize Winners



Erwin Felix Lewy Bertaut Prize Winners



The European Neutron Scattering Association (ENSA) and the European Crystallographic Association award this year two Bertaut prizes: to Dr. Ellen Fogh from the École Polytechnique Fédérale de Lausanne (Switzerland) and to Dr. Lukáš Gajdos from the Institut Laue-Langevin in Grenoble (France).




Crystallography for the next generation

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International Union of Crystallography
IUCr
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ECA teaching activities are coordinated by GIG 3. The purpose of the General Interest Group on Education in Crystallography is to promote and spread crystallography through education at different levels. This GIG is the right context to foster ideas and develop projects for the diffusion of crystallographic teaching and activities to increase the awareness of the general public towards crystallography and its importance in modern science.

<http://ecanews.org/groups/gig-03-education-in-crystallography/>

<http://ecanews.org/education/>

The IYCr2014 activities raised awareness about the importance of crystallography in the modern world. They have ignited a fire in the new generation, most especially in parts of the developing world where structural science is still an infant science. ECA is committed with the IYCr2014 Legacy Resolution to build on these successes, supporting new public outreach activities and to spread the word about the existing ones. More details at:

<http://ecanews.org/outreach/>

ECA officers & contact information

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Bulgaria Daniela Kovatcheva

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Egypt Zein Heiba

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Credits: Cover photo and crystals by courtesy of Chiara Napoli