



The next **European Crystallographic School** will be held in **Budapest** between **5 and 11 July 2020**. It will be the 6th in the series after the schools held in Pavia, Oviedo, Bol, Warsaw and Stellenbosch. The organisers of ECS6 work hard to have a new school which can reach the success of the previous ones.

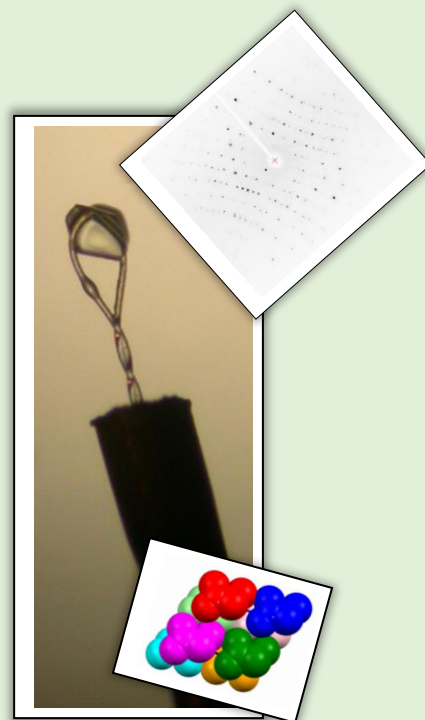
The **Research Centre for Natural Sciences**, Hungarian Academy of Sciences (RCNS-HAS) will host the School. Budapest is easily accessible by plane, train, bus and car, or even by ship. The venue is close to the Danube, next to the building where the European Crystallographic Meeting took place in 2004, and next to the mole where the A38 Ship is laid at anchor and offers the conference dinner. The RCNS-HAS provides a big and a smaller lecture theatre, seminar rooms, poster and exhibition area. There are three labs equipped with single crystal diffractometers available for practical training within a circle with 1 km of diameter at the RCNS-HAS, Eötvös University of Sciences and Budapest University of Technology and Economics.

The **International Programme Committee** consist of Profs Udo Heinemann (ECA President), Alessia Bacchi (ECA Past-President), Consiglia Tedesco (ECA Educational Coordinator), Annalisa Guerri (ECA GIG3), Kinga Suwinska (ECS4), Catharine Esterhuysen (ECS5), Petra Bombicz (ECS6) and Teresa Duarte (ECS7). The members of the **Local Organising Committee** represent all institutions where crystallographic activity takes place in Hungary, beside the above mentioned RCNS-HAS and universities, the Wigner Institute of HAS, University of Debrecen and University of Szeged: Petra Bombicz, Nóra May, Tamás Holczbauer, Laura Bereczki, Péter Németh, András Wacha, Beáta Vértessy, Ibolya Leveles, Kinga Nyíri, Veronika Harmat, Gyula Faigel, Gábor Bortel, Éva Kováts, Attila Bényei, Valéria Bugris, Sándor Brockhauser.

The planned topics are:

- Symmetries, point groups, space groups, periodicity, unit cell;
- Diffraction physics;
- Sources, detectors, future possibilities; Instrumentation;
- Crystallization small molecule;
- Protein production, purification, crystallization;
- Data collection, reduction, analysis;
- Structure solutions, refinement;
- Crystallographic databases (CSD, PDB);
- Phasing and model building, disorder, twinning;
- Polymorphism, crystal engineering, supramolecular chemistry;
- Powder diffraction, Rietveld refinement;
- Structure analysis and quality control;
- Data validation, cif and data handling;
- Non-ambient conditions;
- Small angle scattering;
- Electron microscopy;
- NMR and crystallography, NMR-crystallography;
- Structure-property relationship.

Special lectures are also offered on the fields of pharmaceutical crystallisation, crystallography and data, solution equilibrium, publishing etc.



The **lecturers** will represent different areas of crystallography from different countries. The organisers make strong effort to invite eminent experts of crystallography. Confirmed speakers so far:

Teresa Duarte, Instituto Superior Técnico, Lisboa, Portugal
John R. Helliwell, University of Manchester, UK
Andrzej Katrusiak, Adam Mickiewicz University, Poznan, Poland
Christian W. Lehmann, Max-Planck-Institut für Kohlenforschung, Germany
Pierangelo Metrangolo, Politecnico di Milano, Italy
Manfred S. Weiss, Helmholtz-Zentrum Berlin, Germany
Nikoletta Báthori, Cape Peninsula University of Technology, Cape Town, SA
Sándor Brockhauser, European XFEL, Germany
László Fábrián, University of East Anglia, UK
Gyula Faigel, Wigner Research Centre for Physics, HAS, Hungary
Beáta Vértesy, Budapest University of Technology and Economics, RCNS HAS, Hungary
Péter Németh, Research Centre for Natural Sciences, Hung Acad Sc, Hungary
András Wacha, Research Centre for Natural Sciences, Hung Acad Sc, Hungary
Veronika Harmat, Eötvös Loránd University, Hungary
Attila Bényei, University of Debrecen, Hungary
Éva Anna Enyedy, University of Szeged, Hungary
Petra Bombicz, Research Centre for Natural Sciences, Hung Acad Sc, Hungary
Ken Kimlicka, Taylor and Francis, Japan
Horst Puchmann, OlexSys Ltd, UK
Holger Ott, Bruker AXS GmbH, Germany
Dubravka Sisak Jung, Dectris Ltd, Switzerland

Based on the numbers of the previous schools we expect **70-100 participants**: undergraduate, graduate and postgraduate students, postdocs, young scientists and professionals from the fields of chemistry, biology, solid state sciences who are seeking to participate on an intensive course in crystallography. Theoretical and practical lectures, hands-on tutorials, laboratory practices are planned. Parallel sessions can be organised depending on the level of knowledge of the participants, as well as attendees will be divided into two parts at the specific lectures and practices on chemical and protein crystallography. Poster sessions will be organised to students to present their results. The school may be useful in further academic development of the participants offering a training for new generations of crystallographers.

The **social programme** includes the Opening mixer, a concert of the Chemical Singers, banquet on A38 Ship, the last day is left for Budapest sightseeing. Bursary will be provided to students. Accommodation from hotels to student hostels is available in walking distance.

Deadlines:

01.01.2020	Registration open
01.02.2020	Bursary application (with abstract)
01.03.2020	Abstract submission
01.03.2020	Early bird registration
01.03.2020	Accommodation
01.06.2020	Regular registration
01.07.2020	Late registration

website: <https://ecs6.ecanews.org>

