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 lain 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. Hellwell, 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 Fábián, University of East Anglia, UK
- Gyula Faigel, Wigner Research Centre for Physics, HAS, Hungary
- Beáta Véteassy, Budapest University of Technology and Economics, RCNS HAS, Hu
- 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](https://ecs6.ecanews.org)

25 September 2019