



# European Crystallographic Association

ECA

## Report for school financial support

### 1. Date, location and title of meeting:

Title meeting	17th European Powder Diffraction Conference (EPDIC17)
Location	Šibenik, Croatia
Date	31 <sup>st</sup> May – 3 <sup>rd</sup> June 2022
Website address	<a href="https://www.epdic17.org/">https://www.epdic17.org/</a>

### 2. Please describe how the bursary was used.

The ECA financial support of 1000 € was used to support five PhD students to attend EPDIC17 by giving them bursary which covered their accommodation on a bed & breakfast basis in a shared Amadria Park Mobile home\*\*\*\* for the duration of the conference (4 nights, arriving May 31st and departing June 4th 2022):

1) Petr Doležal (b. 3 Oct. 1990), PhD student

Department of Condensed Matter Physics, Faculty of Mathematics and Physics, Charles University, Ke Karlovu 5, 12116 Prague, Czech Republic

E-mail address: petr284@seznam.cz

2) Maria Spiliopoulou (b. 20 Oct. 1994), PhD student

University of Patras, Panepistimioupoli Patron, 26223 Patras, Greece

E-mail address: mary.spiliopoulou94@gmail.com

3) Lia Šibav (b. 13 Oct. 1995), PhD student

Electronic Ceramics Department, Jožef Stefan Institute, Jamova cesta 39, 1000 Ljubljana, Slovenia

E-mail address: lsibav@gmail.com

4) Alejandro Morales-Cantero (b. 23 Nov. 1989), PhD student

Departamento de Química Inorgánica, Cristalografía y Mineralogía, Facultad de Ciencias, Universidad de Málaga, C/ Gazules, N6, 5-1, 29011 Málaga, Spain

E-mail address: alejandrom@uma.es

5) Arijeta Bafti (b. 27 Nov. 1994), PhD student

Department of Inorganic Chemical Technology and Non-Metals, Faculty of Chemical Engineering and Technology, University of Zagreb, Marulićev trg 19, 10000 Zagreb, Croatia

E-mail address: abafti@fkit.hr

### 3. Report (min. 250 words, max. 500 words, will be published on the ECA web site)

The 17th European Powder Diffraction Conference (EPDIC17) organized by the Croatian Association of Crystallographers was held as an in-person conference from 31st May to 3rd

June 2022 in the Convention Centre Šibenik, Croatia. The Conference was generously supported by a number of sponsors: Bruker AXS and Malvern Panalytical (Diamond sponsors); Anton Paar, ICDD and Rigaku (Platinum sponsors); STOE and PROTO X-ray diffraction (Gold sponsors), as well as many other sponsors and supporters: Huber, ThermoFisher, Dectris, X Spectrum, Eldico Scientific, Oxford Cryosystems, Excelsus, Crystal Impact, International Union of Crystallography (IUCr), European Crystallographic Association (ECA), Croatian Academy of Science and Arts (HAZU), Fidelta, Faculty of Science, University of Zagreb and Ruđer Bošković Institute. Prior to the EPDIC17, two satellite events took place: TOPAS Intensive Course from 29th to 31st May and ICDD Workshop on 31st May 2022.

EPDIC17 gathered 303 participants from 28 countries. The scientific programme covered various aspects of the analysis of polycrystalline materials by diffraction methods through 32 lectures (6 plenary and 26 keynote lectures), 40 oral presentations, and 147 poster presentations organised into 12 thematic microsymposia:

- MS01: Total scattering studies and disorder
- MS02: Structural biology and pharmaceutical materials
- MS03: Rational design of materials for energy conversion and storage
- MS04: Line profile analysis
- MS05: Functional materials: structure and properties
- MS06: Stress-strain, texture and thin film analysis
- MS07: Non ambient in-situ and in-operando studies
- MS08: Progress in structure solution and refinement
- MS09: Nanomaterials: Structural, microstructural and surface aspects
- MS10: Magnetic structures and neutron scattering
- MS11: Utilization of complementary techniques for structural studies and imaging
- MS12: Advances in powder diffraction instrumentation at large facilities

The scientific programme was additionally enriched with two award lectures: “*Symmetry assisted insights into functional materials*” given by EPDIC17 Young Scientist Awardee - Dr. sc. Mark Senn from University of Warwick, UK and “*The nanostructure inverse problem in the time of artificial intelligence*” given by EPDIC17 Distinguished Powder Diffractionist Awardee – Prof. S. J. L. Billinge from Columbia University and Brookhaven National Laboratory, USA. Also, the poster session contained 147 presentations which were displayed during the entire duration of the Conference and the strict juries had a difficult task to select best posters in not less than nine categories. The social programme included Sunset and breeze welcome party, student mixer, soirée musicale by choir "Kolo" which took place in House of arts Arsen in old town Šibenik and elegant yet relaxed gala dinner.

Overall, EPDIC17 was a very successful conference with highly motivated participants, enthusiastic lecturers, vibrant atmosphere and, as it was put in many feedbacks received from exhibitors and participants, a brilliant organization.

Please return this form (in Word format) within three month after the event to  
Prof. Carl Henrik Görbitz  
[meetings.officer@ecanews.org](mailto:meetings.officer@ecanews.org)



Figure 1. Participants of EPDIC17

Dr. sc. Ana Šantić  
On behalf of the EPDIC17 Organizing Committee

Zagreb, July 12th, 2022