

GIG₃ – Education in Crystallography

Reported Period: July 2022-July 2023

Report Date: 10th September 2023

Reported by Kamil Dziubek, Annalisa Guerri and Chiara Massera

1. Introduction.

In the past year the activities of GIG₃ have continued in line with the scope of the group, endorsing several schools and proposing new educational projects (see point 10). GIG₃ has worked with other SIGs/GIGs to collaborate with the Program Committee for ECM₃₄ and has drafted a proposal for the Gender Equity and Diversity Statement of ECA.

2. GIG web site:

The GIG₃ website can be found at <https://gigo3eca.wixsite.com/gigo3eca>. It contains information on crystallographic educational events organized worldwide and links to various documents regarding Crystallography. A logo for the group as been created in three different colours by Valentina Manente (Parma):



3. Number of ECA individual members registered with the SIG/GIG according to <https://ecanews.org/groups/gig-03-education-in-crystallography/>
62 members

4. Existence of a SIG/GIG mailing list: Yes

Address of the mailing list: gig3eca@unipr.it

Number of members in the SIG/GIG mailing list: 70

5. Approximate total number of researchers involved in the SIG/GIG please indicate the basis for the estimate).

60 (based on the members of the GIG and on the mailing list).

6. List of MS proposed by the SIG/GIG for ECM34

GIG₃ has proposed one MS, a round table on inclusion and diversity and a special session dedicated to Erice. GIG₃ is also evaluating the possibility of organizing a satellite event concerning the use of crystal structure determination in High School Chemistry.

7. Prizes sponsored/coordinated: For ECM₃₄, GIG₃ supports one poster prize, sponsored by OUP, for the best poster contribution matching the goals pursued by GIG₃.

8. Future/Programmed Activities

GIG₃ intends to continue to coordinate with other Crystallography Associations and IUCr Commissions regarding initiatives in the educational field. The possibility of launching a crystal growth competition at the European level along the model followed by national competitions already existing in different countries has been discussed and a first draft submitted to the Executive Committee of ECA. Possible launching date, 2024. GIG₃ is also applying for the autumn call (Round 2) of the RSC "Inclusion and Diversity" fund (<https://www.rsc.org/prizes-funding/funding/find-funding/inclusion-diversity-fund/>). The project involves the production of a series of ten video interviews on the issues of women in crystallography and gender bias in general (both conscious and unconscious), with the scope of raising awareness within the crystallographic scientific community and beyond. Finally, GIG₃ is involved in the organization of a prize in memory of the late Lodovico Riva di Sanseverino (who founded the International School of Crystallography) to be awarded by ECA at the European Crystallographic Meetings.

9. Other matters.

During the IUCr Congress in Melbourne, GIG₃, in collaboration with DECTRIS and STOE, has coordinating the fundraising project "Women in crystallography" for the support of female crystallographers, especially for emerging countries. The history of the "Women in Crystallography" logo has been published on the ECA webpage at: <https://ecanews.org/blog/2023/06/23/history-of-the-women-in-crystallography-logo/>. The call for the assignment of grants from the funds of the "Women in Crystallography" Fundraising project has been drafted and submitted to the Executive Committee of ECA.

10. Brief annual activity report

In the past year, GIG₃ has been active supporting and launching several educational-related events. GIG₃ has endorsed three schools: the 59th Erice School on Powder Diffraction, which will be held in Erice, Italy, from May 31st to June 8th 2024; the 3rd International School on Porous Materials: MOFs_{school2023}, which was held in Como (Italy) from the 19th to the 23rd of June 2023; the 11th Conference of the Hellenic Crystallographic Association HeCrA, which will be held in Larissa, Greece, from 20 to 22 of October 2023. GIG₃ is contributing to the program of ECM₃₄, especially in collaboration with GIG₁ and GIG₂. Finally, GIG₃ is involved in setting up prizes and granting scheme for the promotion of crystallography and for the support of women crystallographers and researchers from emerging countries.

11. List GIG officers, name and e-mail, and specify their main function in the GIG:

Chair: Kamil F. Dziubek

(dziubek@lens.unifi.it)

Vice-Chair: Annalisa Guerri

(annalisa.guerri@unifi.it)

Secretary: Chiara Massera

(chiara.massera@unipr.it)

Webmaster:

Paolo Pio Mazzeo

(paolopio.mazzeo@unipr.it)

Board members

Catharine Esterhuysen

(ce@sun.ac.za)

Fernando J. Lahoz

(lahoz@unizar.es)

John Helliwell

(john.helliwell@manchester.ac.uk)

Consiglia Tedesco

(ctedesco@unisa.it)