

GIG₃ – Education in Crystallography

Reported Period: January 2021-July 2022

Report Date: 25th July 2022

Reported by Kamil Dziubek, Annalisa Guerri and Chiara Massera

1. Introduction. (50 words max.)

During the last years the activities of the GIG₃ has been limited by the pandemic but it has given support to didactic online activities (for instance, ECS7 in Lisbon). Moreover, GIG₃ has worked with other SIGs/GIGs to collaborate with the Program Committee for ECM₃₃.

2. GIG web site:

The GIG₃ website has been renewed and 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: first edition of renowned papers, links to reviews and to databases, etc. A call has been sent to the ECA members to create a logo and a banner for the website. Members have also been asked to send contributions regarding activities and events to be posted.

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

GIG₃ Education in Crystallography, 58 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 organized by the SIG/GIG at the present ECM

MS₄₅- What is inside the black box? Organised with GIG₂ and GIG₁

MS₄₈- What should undergraduate students learn about crystallography? Organised with GIG₂

MS₄₇- New horizons in teaching crystallography in the 21st century

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

8. Past Activities other than Microsymposia at ECM

Interaction with the Local Organizing Committee of the ECS7 from Lisbon, for the organization of the school.

9. Future/Programmed Activities

GIG₃ intends to continue to coordinate with other Crystallography Associations and IUCr Commissions regarding initiatives in the educational field. The web site of the Group is also aimed to collect and posted information about events and exhibition of interest for the community. Moreover, some joint IUCr/ECA teaching pamphlets and a newsletter could be realised and posted within the web site.

10. Other matters. (50 words max.)

During the last IUCr Congress in Prague, a discussion has been launched within GIG₃ on the policy of inclusion and diversity that should be promoted by the European Crystallographic Association. As a result, a letter has been prepared and signed by some of the members of GIG₃ and has been sent to the ECA President and to the Executive Committee. The aim of this letter is to contribute to draft ECA guidelines concerning diversity and inclusiveness.

GIG₃, in collaboration with DECTRIS and STOE, is coordinating a fundraising project that will take place during ECM₃₃, for the support of female crystallographers, especially for emerging countries.

11. Brief annual activity report (100 words max.)

GIG₃ has continued to pursue its former activities: the dedicated website is being constantly developed with the inputs of ECA members. The website proposes to collect and highlight national and international events on education, as well as links to educational websites, papers and books.

GIG₃ is involved in the organization of the seventh European school in Portugal. Moreover, support from the GIG₃ have been sought by the organizers of different educational activities which will take place in Europe and in extra-European countries.

The involvement of GIG₃ in the ECM₃₃ resulted in the co-organization of three Microsymposia (see point 6)

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

Chair: Annalisa Guerri (annalisa.guerri@unifi.it)

Vice-Chair: Chiara Massera

(chiara.massera@unipr.it)

Secretary: Kamil F. Dziubek

(dziubek@lens.unifi.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)