

SIG5

Reported Period: June 2010- May 2011

Report Date: June 6th, 2011

Reported by: Frédéric Hatert

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1. Introduction.

In August 2010 was held ECM26 in Darmstadt, Germany, and the SIG5 activity was centred on the organisation of microsymbiosia at this meeting. SIG5 continued promoting two poster prizes, for mineralogical crystallography (sponsored by EMU and restricted to young scientists up to 35-year old) and for inorganic crystallography (sponsored by Zeitschrift für Kristallographie). Our activities also concerned the organization of microsymbiosia at ECM27-Bergen.

2. SIG web site:

SIG5 <http://sig5.ecanews.org/>

3. Number of ECA individual members registered with the SIG according to (<http://www.xray.cz/eca/im-payment.htm>)

SIG5 Mineral and Inorganic Crystallography 89

4. Existence of a SIG mailing list Yes

Address of the mailing list: <http://listes.uhp-nancy.fr/wws/info/ecasig5>

Number of members in the SIG mailing list: 144

5. Approximate total number of researchers involved in the SIG (please indicate the basis for the estimate) 144 (this is the number of members of the mailing list, *i.e.* number of researchers who explicitly indicate their involvement in the SIG)

6. List of MS organized by the SIG at the last ECM

Mineral and inorganic crystallography

New inorganic materials for technological applications

Phase transitions in minerals and their planetary effects

7. Prizes sponsored/coordinated

EMU poster prize for Mineralogical Crystallography

Zeitschrift für Kristallographie for Inorganic Crystallography

8. Past Activities other than Microsymbiosia at ECM

Title: MaThCryst Summer Schools: Topology of Crystal Structures - Irreducible Representations of Space Groups

Number of Participants: 50-60

Level of involvement of SIG in the activity:

ECA Individual members registered with the SIG involved in the organizing committee

Mois Aroyo , Massimo Nespolo

ECA Individual members registered with the SIG involved as lecturers 2 (Mois Aroyo, Massimo Nespolo)

Massimo Nespolo)

endorsed (SIG logo on the web page/leaflets) Yes

Sponsored by ECA? Yes

Other Sponsors/Organizers: IUCr, AFC, plus a number of local bodies (see

<http://www.crystallography.fr/mathcryst/nancy2010.php>)

Short Description: (25 words max.) Summer Schools organised on the occasion of the fifth anniversary of the MaThCryst commission. Nancy, France, June 21st to July 2nd, 2010.

Title: MaThCryst Satellite conference at ECM26-Darmstadt

Number of Participants: 50-60

Level of involvement of SIG in the activity:

ECA Individual members registered with the SIG involved in the organizing committee

Mois Aroyo , Massimo Nespolo

ECA Individual members registered with the SIG involved as lecturers 2 (Mois Aroyo, Massimo Nespolo)

endorsed (SIG logo on the web page/leaflets) Yes

Sponsored by ECA? Yes

Other Sponsors/Organizers: IUCr, AFC, plus a number of local bodies (see

<http://www.crystallography.fr/mathcryst/darmstadt2010.php>)

Title: First North African Crystallographic Conference (NACC-1)

Number of Participants: ??

Level of involvement of SIG in the activity: SIG5 has given his support to this school.

ECA Individual members registered with the SIG involved in the organizing committee

ECA Individual members registered with the SIG involved as lecturers

endorsed (SIG logo on the web page/leaflets)

Sponsored by ECA

Other Sponsors/Organizers:

Short Description: (25 words max.) In 2009, the Moroccan Association of Crystallography (AMC) Executive Committee decided to organise the first North African Crystallographic Conference. This event will be organised conjointly by AMC and Faculty of Sciences Ben M'Sik-University Hassan II Mohammedia-Casablanca. The aim of this first conference is to contribute to the development of crystallography in North Africa. The congress will be held in Casablanca (Morocco) from 23rd to 26th of November 2010. For more detail see the first circular

(http://www.visbdev.net/visbdev/fe/Docs/First_Annoucement_Project_NACC1_Casablanca_November_2010.pdf).

9. Future/Programmed Activities.

Title: Layered mineral structures and their applications

Number of Participants: ??

Level of involvement of SIG in the activity: SIG5 has given his support to this school.

ECA Individual members registered with the SIG involved in the organizing committee

ECA Individual members registered with the SIG involved as lecturers

endorsed (SIG logo on the web page/leaflets)

Sponsored by ECA

Other Sponsors/Organizers:

Short Description: (25 words max.) This school will be organized by the European Mineralogical Union (EMU) in Rome (Italy) from July 9th to 19th, 2011.

Title: XVII International conference on Crystal Chemistry, X-ray Diffraction and Spectroscopic studies of minerals

Number of Participants: 150

Level of involvement of SIG in the activity: SIG5 has given his support to this school.

O ECA Individual members registered with the SIG involved in the organizing committee
Sergey Krivovichev

O ECA Individual members registered with the SIG involved as lecturers 6 (W. Depmeier,
O. Yakubovich, S.V. Krivovichev, V.S. Urusov, G. Ferraris, P. Paufler)

O endorsed (SIG logo on the web page/leaflets) No

Sponsored by ECA? Yes

Other Sponsors/Organizers: IUCr, ECA-SIG5 plus a number of local bodies

Short Description: (25 words max.) Congress held in St.Petersburg from 20th to 24th of June 2011.

For more details see the website (<http://onlinereg.ru/ccxrds>)

Title: Trilateral Russian-French-German seminar 'Modern Inorganic Crystal Chemistry: Recent Advances and New Techniques

Number of Participants: 40

Level of involvement of SIG in the activity: SIG5 has given his support to this school.

O ECA Individual members registered with the SIG involved in the organizing committee
Sergey Krivovichev

O ECA Individual members registered with the SIG involved as lecturers 4 (W. Depmeier,
O. Yakubovich, S.V. Krivovichev, V.S. Urusov)

O endorsed (SIG logo on the web page/leaflets) Yes

Sponsored by ECA? Yes

Other Sponsors/Organizers: Russian Foundation for Basic research

Short Description: (25 words max.) The seminar will be held in St.Petersburg from 24th to 25th of June 2011 and will be devoted to recent advances in the field of inorganic crystal chemistry, inc. new techniques for evaluation, prediction and modeling of inorganic crystal structures.

10. Other matters. (50 words max.)

None.

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

SIG5 is involved in the organization of the ECM27–Bremen. Several microsymbiosia will be proposed:

- Crystallography of nuclear materials
- The structural complexity of minerals and inorganic compounds.
- New challenging inorganic materials.
- Short-range and long-range ordering techniques.

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

Chair Dr. Frédéric Hatert fhatert@ulg.ac.be

Vice-chair S.V. Krivovichev skrivovi@mail.ru

Secretary Massimo Nespolo massimo.nespolo@crm2.uhp-nancy.fr

Supplementary Materials.

(List of all supplementary materials, if any, related to the SIG report)

- Addendum 1 to n (to be sent in separate files)