

## **SIG5: Mineral and Inorganic Crystallography**

**Reported Period: August 2012- August 2013**

**Report Date: September 1<sup>st</sup>, 2013**

**Reported by: Oleg Siidra**

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### **1. Introduction.**

In 2012-2013, main activity of the SIG5 was devoted to the organization of microsymbosia at ECM28 in Warwick. SIG5 supports two microsymbosia, MS18 and MS19, and is sponsoring three more microsymbosia in collaboration with other SIGs. SIG5 continued promoting one poster prize, for mineralogical crystallography (sponsored by EMU and restricted to young scientists up to 35-year old). In 2011, the SIG5 was updated and moved to a new server in St. Petersburg, Russian Federation.

### **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 **119**

### **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: **164**

### **5. Approximate total number of researchers involved in the SIG (please indicate the basis for the estimate) **164****

(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 ECM 28**

From nature to laboratory: crystallography of minerals and mineral-related materials  
Heavy crystals: structural crystallography of heavy-element compounds

### **sponsoring:**

Structural studies at extreme conditions by single crystal X-ray diffraction  
Crystal physics of minerals and materials at variable pressures and temperatures  
Twinning, polytypes and modular structures

### **7. Prizes sponsored/coordinated**

EMU poster prize for Mineralogical Crystallography

### **8. Past Activities other than Microsymbosia at ECM**

Title: Minerals As Advanced Materials III, Kirovsk

Number of Participants: 56

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

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

1 ECA Individual members registered with the SIG involved as lecturers

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

Short Description: (25 words max.) This International Workshop was organized by the Department of Crystallography, Saint-Petersburg State University in Kirovsk, from June 23<sup>rd</sup> to 30<sup>th</sup>, 2013.

Title: **3<sup>rd</sup> International Conference on Crystallogensis and Mineralogy**

Number of Participants: 350

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

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

4 ECA Individual members registered with the SIG involved as lecturers

1 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 was held in Novosibirsk from 27<sup>th</sup> of September to 1<sup>st</sup> of October 2013. For more details see the website (<http://km.igm.nsc.ru/>)

Title: **Clays, clay minerals and layered materials**

Number of Participants: 150

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

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

3 ECA Individual members registered with the SIG involved as lecturers

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

Sponsored by ECA? Yes

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

Short Description: (25 words max.) Conference will be held in Saint-Petersburg from 11th to 15th of September 2013. This meeting is devoted to the study of clay minerals and layered materials and their industrial applications. The conference has an interdisciplinary character. It is aimed to join specialists in the different fields of fundamental and applied science. For more details see the website (<http://www.econf.info/CMLM2009>)

## **9. Future/Programmed Activities.**

Title: **21st General Meeting of the International Mineralogical Association**

Number of Participants: 2000

Level of involvement of SIG in the activity: SIG5 has given his support and organized 3 MS.

4 ECA Individual members registered with the SIG involved in the organizing committee 5

ECA Individual members registered with the SIG involved as lecturers

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

Sponsored by ECA? Yes

Other Sponsors/Organizers: IMA

Short Description: (25 words max.) The International Mineralogical Association congress will be held from 1 to 5 September 2014 at the Sandton Convention centre in the Gauteng province of South Africa and devoted to large number of disciplines related to Mineralogy.

## **10. Other matters. (50 words max.)**

None.

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

SIG5 is involved in the organization of the ECM28–Warwick. Several microsymbiosia are organized:

- From nature to laboratory: crystallography of minerals and mineral-related materials
- Heavy crystals: structural crystallography of heavy-element compounds

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

**Chair** Prof. Dr. S.V. Krivovichev [skrivovi@mail.ru](mailto:skrivovi@mail.ru)

**Vice-chair** Dr. Frédéric Hatert [fhatert@ulg.ac.be](mailto:fhatert@ulg.ac.be)

**Secretary** Dr. Oleg Siidra [siidra@mail.ru](mailto:siidra@mail.ru)