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SIG: 5 Mineral and Inorganic Crystallography

Reported Period: 2008 –2009

Report Date: 31 May 2009

Reported by: Massimo Nespolo, secretary

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1. Introduction.

The SIG activity was centred partly on the organisation of microsymbposia at IUCr meeting, through SIG members who are in the IUCr CIMS Commission. The SIG5 continued promoting the two poster prizes it had introduced for ECM24: mineralogical crystallography (sponsored by EMU) and inorganic crystallography (sponsored by Zeitschrift für Kristallographie).

2. Past Activities.

Title: IUCr-XXI Osaka

Keynote lectures: Tim White, “The crystallochemical basis of synthetic mineral immobilisation technologies” (Chair: Giovanni Ferraris); Roberta Oberti: Structure refinement and structure modelling: A chemical probe for complex mineral groups (Chair: Wulf Depmeier)

Microsymbposia: Multitechnique approach for the determination of inorganic structures (Chairs: H. Fuess, C. Ferraris), From minerals to materials (Chairs: R. Hock, G. Ferey), Crystallography of planetary materials at extreme conditions (Chairs: T. Yagi, J. Parise)

Title: VI International Symposium “Mineralogical Museums”, 17.-20. June, 2008

Sponsors/Organizers: St. Petersburg State University, Russia; Kiel University; Germany
Short Description: <http://www.mineral.pu.ru/conf>, W. Depmeier, former SIG chairman, was chairman of the Symposium

Title: Learning from and for the Planet Earth – Structures and models in Earth, Materials and Life Sciences (Sestri Levante, Italy, 7-12 September 2008)

Number of Participants: 259

Short Description: Joint meeting of the Italian Crystallographic Association and Italian Society of Mineralogical and Petrological Sciences. See <http://simp.dst.unipi.it/SIMP-AIC2008/home.htm>

3. Future/Programmed Activities.

Title: Crystallography online: International School on the use and application of the Bilbao Crystallographic Server

Lekeitio, Spain, 21-27 June 2009

(<http://www.crystallography.fr/mathcryst/bilbao2009.php>)

Title: Advances in the characterization of industrial minerals – EMU school 2009

Chania, Greece, 14-18 July 2009

(http://www.univie.ac.at/Mineralogie/EMU_School_2009/welcome.htm)

Title: Summer Schools on Mathematical Crystallography

Nancy, France, 21 June - 2 July 2010

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

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4. Other matters.

The Council in Osaka approved the title change to “Mineral and Inorganic Crystallography”, which better reflects the wide range of interest of the SIG, being now the ECA counterpart of the IUCr commission on Inorganic and Mineral Structures. Elections of SIG officers were held in Osaka. The new officers are listed under point 7.

5. Five year ‘overview’, brief activity report (2005-2009)

(100 words max.)

(only compulsory for those who did not sent the 2004-2008 ‘overview’)

Sent last year

6. Estimated number of active members:

140 (see <http://listes.uhp-nancy.fr/wws/info/ecasig5>)

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

Chair: Frédéric Hatert

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Supplementary Materials.

All supplementary material is available at the SIG website, <http://sig5.ecanews.org/>

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NOTE: DO NOT FORGET TO SEND THE UPDATED LIST OF YOUR SIG OFFICERS

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