

Report of the Commission on Mineral and Inorganic Structures (CIMS) for the year ending 31 December 2004.

The contacts among the Members and Consultants of CIMS have been maintained mainly by e-mail and the web site <http://www.lcm3b.uhp-nancy.fr/cims/> administered by the consultant member Massimo Nespolo. Some members met in the occasion of ECM-22 in Budapest (August 26-31, 2003). At ECM-22, members of CIMS were active as conveners (M. Nespolo: Investigation techniques in mineral science; J. Rius: Advances in powder diffraction methods) and speakers (W. Depmeier and G. Ferraris). As a Satellite of ECM-22, M. Nespolo organized the Conference "Crystallography at the start of the 21st century: Mathematical and Symmetry Aspects" (August 24-26, 2004, Budapest); the Satellite-Conference was sponsored by CIMS and members M. Nespolo and W. Depmeier delivered lectures.

The main activity of CIMS in 2004 has been the organization of the meeting "Micro- and Mesoporous Mineral Phases - Mineralogical, Crystallographic and Technological aspects". The meeting took place in Rome (6-7 December 2004) and has been financially supported by IUCr and the Italian National Academy of Lincei. The attendees were more than 100 from 20 different countries, including extra-European ones. 32 contributions were presented orally and 53 as poster. Concerning members of CIMS, G. Ferraris was member of the organizing committee and speaker; W. Depmeier and L.B. McCusker were speakers. The extended abstracts filled a Pre-Print book of 324 pages; the 12 invited lectures are in press as volume 57 of the series "Reviews in Mineralogy and Geochemistry" of the Mineralogical Society of America (series editor J. J. Rosso; volume editors: G. Ferraris and S. Merlino). A number of other contributions have been submitted for a special issue of the European Journal of Mineralogy dedicated to the CIMS meeting.

Besides activity reported above, the following Members of CIMS have reported to the Chair activity related to the purposes of the Commissions:

- D. Pushcharovsky represents CIMS in the Programme Committee of IUCr-XX (Florence 2005) and was convener of the symposium "Crystal structure of minerals: topology and classification" at the 32nd International Geological Congress (Florence, 20-28 August 2004).
- G. Ferraris was convener of the symposium "Microstructures, modularity, modulations in minerals" at the 32nd International Geological Congress (Florence, 20-28 August 2004) and co-author (with E. Makovicky and S. Merlino) of the IUCr monograph "Crystallography of Modular Materials". He is member of the Programme Committee and convener of the 19th Meeting of the International Mineralogical Association (IMA) (Kobe, 23-28 July 2006); convener of a Microsymposium at IUCr XX (Florence, August 2005).
- L. McCusker lectured at NHSC-33 (Pune, India), 14th International Zeolite Conference (Cape Town), EPDIC-9 (Prague); she was Guest co-editor of a special issue of Z. Kristallogr. devoted to "Structure Determination from Powder Diffraction Data"; is in the organizing/program committees of EPDIC-10 (Geneva, 2006) and ZMPC2006 (Yanago, Japan, 2006); co-maintains the IZA websites on zeolites <http://www.iza-online.org/> and <http://www.iza-structure.org/>.
- M. Nespolo is the organizer of "International School on Mathematical and Theoretical Crystallography" (Nancy, June 2005) supported by CIMS.
- M. Matsui is Chair of the Meeting Secretariat for IMA-2006 (Kobe, Japan) and editor of Physics and Chemistry of Minerals.
- W. Depmeier is co-organizer of the meeting "Mineralogical Museums" (St. Petersburg, June

2005) and president of the German Crystallographic Association.

- J. Rius is member of the ESRF "Review Committee" in the Chemistry area; of the Spanish Committee of Crystallography; of the Scientific Committee of EPDIC-9 (Prague, 2004); Chairman of the Special Interest Group (SIG8) of ECA; Associated Editor of European Journal of Mineralogy; convener of a Microsymposium at IUCr XX (Florence, August 2005)