



SIG No: 8

Reported Period: 2011-2012

Report Date: 22/05/2012

Reported by: R J Cernik

=====

1. Introduction. SIG 8 represents the powder diffraction community and is populated by the same people that form the EPDIC committee. The EPDIC committee is the international scientific programme advisory committee that oversees the EPDIC meetings. The job of SIG 8 is to suggest parallel and/or integrated themes that may be of interest to both the ECM and EPDIC audiences. There have been two joint ECM-EPDIC meetings since EPDICs inception in 1991; these were in Munich (1991) and at Darmstadt (2010).

2. EPDIC/SIG 8 web site: <http://www.mf.mpg.de/de/abteilungen/mittemeijer/epdic/index.htm>

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

SIG 8 Powder Diffraction 130

4. Existence of a SIG mailing list No

5. Approximate total number of researchers involved in the SIG (please indicate the basis for the estimate) ~ 7000 based on WDC interest listings and the ICDD data base in Europe. World wide the number exceeds 20,000 but most of these people are users or practitioners rather than crystallographers so it's hard to answer this question.

6. List of MS organized by the SIG at the last ECM 26 Darmstadt with EPDIC 12

ECM26

Powder Diffraction at the Japanese Spallation Source (plenary)

Takashi Kamiyama (Ibaraki/JP)

EPDIC12 with overlap day on Monday see attached PDF file

7. Prizes awarded/sponsored/coordinated

The EPDIC Award for Young Scientists is assigned at each EPDIC Conference and honours outstanding scientific achievement by young scientists in the field of powder diffraction. The award winner is invited to present a plenary talk at the next European Powder Diffraction Conference. The award has a value of 1,000 Euro and is possible by generous sponsorship of [PANalytical B.V. \(Almelo, The Netherlands\)](#).

The **EPDIC Award for Distinguished Powder Diffractionists** will be assigned for the first time during the EPDIC-11 Conference for outstanding results and/or continued, important contributions to the field of powder diffraction. The award winner is invited to present a plenary talk at the next European Powder Diffraction Conference. The award has a value of 1,000 Euro and is possible by generous sponsorship of [Bruker AXS \(Karlsruhe, Germany\)](#).

8. Past Activities other than Microsymposia at ECM

As listed on the attached flyer

9. Future/Programmed Activities.

ECM27

Sig 8 put forward these microsymposia either individually or with other SIGs

- 13 Energy related materials
- 14 Materials in operando and in situ crystallography of materials
- 28 Imaging using diffraction, spectroscopy or coherent signals
- 35 Ferroic and multiferroic materials
- 36 Towards megabar pressures: complex and geo-materials

10. Other matters.

11. Brief annual activity report

The above listing shows a highly active year and a real willingness to integrate and collaborate with other Sigs.

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

- [N Audebrand](#), Rennes, France
- [P Bordet](#), Grenoble, France
- [RJ Cernik](#), SRS, Daresbury, UK - **Vice-Chairman**
- [R Cerný](#), Genève, Switzerland
- [WIF David](#), ISIS, Oxon, UK
- [AN Fitch](#), ESRF, Grenoble, France
- [H Fuess](#), Darmstadt, Germany
- [A Guagliardi](#), Bari, Italy
- [T Gustafsson](#), Uppsala, Sweden
- [SA Ivanov](#), Moscow, Russia
- [JE Jørgensen](#), Aarhus, Denmark
- [A Kern](#), Bruker AXS, Karlsruhe, Germany
- [R Kuzel](#), Prague, Czech Republic
- [C Lengauer](#), Vienna, Austria
- [I Margiolaki](#), Grenoble, France
- [A Meden](#), Ljubljana, Slovenia
- [B Palosz](#), UNIPRESS, Warsaw, Poland
- [D Rafaja](#), Freiberg, Germany
- [J Rius](#), Barcelona, España
- [P Scardi](#), Trento, Italy - **Chairman**
- [A Vermeulen](#), PANalytical, Almelo, The Netherlands
- [U Welzel](#), Stuttgart, Germany - **Vice-Chairman**