



**SIG No: 2**

**Reported Period: 2011-2012**

**Report Date: 18.05.2012**

**Reported by: Piero Macchi**

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**1. Introduction.** Chair, vice chair and secretary of this SIG have changed at the IUCr assembly in Madrid. The new officers wish to continue the work of their predecessors, trying to improve information system and increase the number of members.

**2. SIG web site:**

SIG 2 url: <http://sig2.ecanews.org/index.html>

**3. Number of ECA individual members registered with the SIG according to**

(<http://www.xray.cz/eca/im-payment.htm>)

SIG 2      [name of the SIG](#)      Charge, Spin & Momentum Density      [number 55](#)

**4. Existence of a SIG mailing list  Yes /  No**

**Address of the mailing list:**

**Number of members in the SIG mailing list :**

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

ca. 300. The participation of European researchers at the latest European meeting on this topic (promoted also by the SIG2) was 150; very likely the actual number is twice as large).

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

At ECM26 in Darmstaad:

- Charge density for understanding of chemical properties
- Structure-properties relationship in molecular crystals

**7. Prizes sponsored/coordinated**

None

**8. Past Activities other than Microsymposia at ECM**

Title: International School on Charge Density – Theory and Practice, Jaca (Spain) 30 August - 4 September.

Number of Participants: 50

Level of involvement of SIG in the activity:

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?

Yes/  No

Other Sponsors/Organizers: IUCr; University of Saragoza

Short Description: A school dedicated to PhD students, with hands on sessions and theoretical sessions.



## 9. Future/Programmed Activities.

Title: Sagaomre XVII conference (Japan)

Number of Participants: 100

Level of involvement of SIG in the activity:

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?

Yes/  No

Other Sponsors/Organizers: Spring8

Short Description: (25 words max.): It is a traditional conference in this field, organized on a 3 year base.

Title: European Charge Density Meeting (Stuba, Slovakia)

Number of Participants: 120

Level of involvement of SIG in the activity:

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?

Yes/  No

Other Sponsors/Organizers: Commercial Sponsors; University of Bratislava; Univesrity of Buffalo

Short Description: (25 words max.): It is the most important meeting in this field organized in Europe

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

N/A

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

The SIG is spending efforts in compacting the European community in this field, not only by means of meeting but also through possible partnerships in fund raising and cooperation of research projects. The SIG is also trying to maintain the usual number of schools and meetings in this field.

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

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**Supplementary Materials.** none