

SIG14 D³:Diffuse, Disorder and Dynamics

Reported Period: 2018-2019

Report Date: August 2019

Reported by: Anders Østergaard Madsen (Chairman), Arkadiy Simonov (Secretary)

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1. Introduction.

SIG #14 brings together scientists working on dynamical properties, disorder and diffuse scattering. The main objectives are to enhance the exchange of information regarding recent progress in experiment and theory, to provide a platform for discussions, to promote use of diffraction and crystallographic tools in studying the physics and chemistry of materials which display some disorder.

2. SIG web site:

<https://ecanews.org/groups/sig-14-dynamics-disorder-diffuse-scattering/>

Researchgate page:

<https://www.researchgate.net/project/ECA-SIG14-D3-Dynamics-Disorder-Diffuse-Scattering>

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

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

SIG7 Molecular Interaction and Recognition 11

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)

30 researchers signed up on the initial meeting in Oviedo .

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

None

7. Prizes sponsored/coordinated

None

8. Past Activities other than Microsymposia at ECM

None

9. Future/Programmed Activities

ECM32 Vienna

Invited keynote speaker:

Prof. Richard Welberry

Micro-symposia:

MS27: Structural Dynamics, Disorder and Physical Properties

Chairs: Dmitry Chernyshov and Ruggero Frison

MS28: Dynamics and Disorder Probed by Diffuse Scattering

Chairs: Anders Ø. Madsen and Arkadiy Simonov

10. Other matters.

11. Brief annual activity report

In the last year the #14 was established. This year on the ECM in Vienna we are organizing two inaugural micro symposia, which bring together the key researchers in the field.

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

Chair: Anders Østergaard Madsen (University of Copenhagen) <a.madsen@sund.ku.dk>
Vice chair: Bjorn Wehinger (University of Geneva) <bjorn.wehinger@unige.ch>
Secretary: Arkadiy Simonov (ETH Zurich) <arkadiy.simonov@mat.ethz.ch>
Officers: Anna Hoser (University of Warsaw) <a.hoser@uw.edu.pl>
Dmitry Chernyshov (SNBL at ESRF) <dmitry.chernyshov@esrf.fr>