



ECA Individual Members registered with the SIG involved as lecturers  
Sponsored by ECA?

No

Short Description: (50 words max.)

The course "Microscopy of materials" is intended for graduate students and young researchers. It gives a general overview of electron-microscopic techniques used in material research. Both SEM and TEM techniques are covered, but emphasis is put on TEM techniques, in particular BF and DF imaging, HRTEM and diffraction techniques.

## 9. Future/Programmed Activities.

**Title: International Workshop on Powder & Electron Crystallography held in Patras Greece from 8-12 July 2013**

Number of participants: 50-100

Level of involvement of SIG: ECA Individual Members registered with the SIG involved in the organizing committee and Individual Members registered with the SIG involved as lecturers

Notes: web: <http://crystallographypatras.wordpress.com/> It is an international school directly sponsored by IUCR.

**Title: 1st joint SIMP-AIC International School: "Crystallography beyond diffraction 2nd edition" held in Camerino Italy 4-8 september 2013**

Number of participants: 40

Level of involvement of SIG: ECA Individual Members registered with the SIG involved as lecturers

Notes: the school topics are: Stability and transformations of crystalline phases | Tensors and anisotropic physical properties of crystals | Vibrational properties | Microstructures and textures | Ab initio calculations | TEM | Electron diffraction | EBSD (Electron Back-Scatter Diffraction) | XAS  
Web site: <http://2013.aicschool.org/>

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

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

In the relatively young field of electron crystallography one of the main activities of SIG4 is teaching. In order to promote electron crystallography as science for structure determination we organize each year several national or international schools (cf. more detailed descriptions above). We participated actively in the organisation of microsymbosia at the ECM27 in Bergen, Norway. We also took an active part in the program committee of ECM28 in Warwick, UK. The microsymbosia we organize jointly with other SIGs clearly show the interdisciplinary interest electron crystallography induces.

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

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