

CRYSTALLOGRAPHY WORKSHOP

At the 6th International Conference of Africa-MRS

Victoria Falls, Zimbabwe; December 11-16, 2011

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In order to understand and design new materials, the researchers need crystallographic information via X-ray and neutron diffraction experiments. Therefore education in crystallography, as well as strong contacts with crystallographers to build a network, are necessary. It is the reason why, during the 6th International Conference of the African Material Research Society, a two days workshop (12-13 December 2011) will be organized to teach Crystallography to African students and postdocs. The workshop is sponsored by the International Union of Crystallography within the special activity 'Crystallography in Africa'. It consists of lectures and hands-on on crystal symmetry, basic X-ray diffraction with applications to powder and single crystals experiments and crystal structures of solids. Lectures will be followed by practical exercises. Documents and programs will be available for students. Participants must bring their own laptops to use for the practical sessions. Following topics will be developed during the workshop:

- **Crystal Symmetry and Basic Diffraction**

Claude Lecomte, Nancy Université, France

- **Powder X Ray Diffraction - Rietveld method**

Stanislav Pechev, ICMCB, CNRS, Université Bordeaux, France

- **Crystallochemistry of Solids**

Abdelaziz El Jazouli, Université Hassan II Mohammedia - Casablanca, Morocco

