

**DST sponsored Contact Programme  
Applications of Anisotropy of Magnetic Susceptibility (AMS) in  
Structural Geology/Tectonic Investigations**

*at*

**Magnetic Observatory, Indian Institute of Geomagnetism,  
Alibag 402 201, Maharashtra**

**10–21 March 2003**

Minerals in rocks that have been subjected to deformation and strain tend to grow in a preferred orientation. The latter can be determined using Anisotropy of Magnetic Susceptibility (AMS). AMS has emerged as a frontier tool for Structural Geology Research and has found applications in petrofabric studies, regional studies in folded and faulted rocks and tectonic studies of non-foliated rocks like granites. Recognizing the multi-facet applications of AMS studies, the Department of Science and Technology (DST), New Delhi has decided to sponsor a contact programme in '**Applications of Anisotropy of Magnetic Susceptibility (AMS) in Structural Geology/Tectonic Investigations**' under the **Deep Continental Studies Programme**.

The following topics will be covered during the course: Theoretical concepts about deformation and strain, rock magnetism and paleomagnetism, principles of AMS, field and laboratory measurements, statistical analysis, graphical representation and interpretation of AMS data. A large number of case histories highlighting applications in strain analysis, petrofabrics, analysis of folds, faults and granite tectonics will be incorporated. The participants will be given sufficient field and laboratory exposure.

The contact programme will be jointly coordinated by (1) **Prof. B. R. Arora**, Indian Institute of Geomagnetism, Colaba, Mumbai 400 005; bra@iig.iigm.res.in (2) **Dr. P. K. Verma**, School of Studies in Geology, Vikram University, Ujjain 456 010; drpkverma@rediffmail.com (3) **Dr. Manish A. Mamtani**, Department of Geology and Geophysics, Indian Institute of Technology, Kharagpur 721 302; mamtani@gg.iitkgp.ernet.in

Interested young researchers below the age of 32 years, engaged in Structural Geology work at Universities/Institutes may submit their applications to **Prof. B. R. Arora** giving (1) name (2) address (3) qualification (4) research interest (5) plan to utilize the proposed training. Selected candidates (maximum 15) will be provided local hospitality and actual travel fare by bus or rail (three-tier A/C).

Last date for receipt of applications is **20 January 2003**.