



Winter School on Modeling of Planetary Atmospheres



Physical Research Laboratory, Ahmedabad, 18 December 2006–6 January 2007

The envelope surrounding planets, consisting of neutral gases as well as ionized species, forms their atmospheres. Due to various physical, chemical and dynamical processes, planetary atmospheres assume a complex time-dependent vertical structure. Detailed insight into the phenomena occurring in these atmospheres is possible only through *in situ* measurements and remote sensing of various parameters followed by comprehensive theoretical modeling.

This school aims to introduce the participants with basic and advanced techniques of theoretical modeling of planetary atmospheres as well as numerical analysis and mathematical tools required for such work. The target participants would be young and bright students/researchers from colleges, universities and scientific institutions. The school will also expose the participants to the opportunities of research in the area of atmospheric sciences. The faculty for the school will be drawn from PRL and other reputed academic institutes in India. Following topics would be covered in this school: (1) Structure and dynamics of planetary atmospheres; (2) Chemical, radiative and transport processes; (3) Solar wind interactions with planetary atmospheres; (4) Processes of airglow emissions; (5) Magnetic fields of planets; (6) Simulation of ionospheric processes; (7) Numerical analysis and mathematical techniques.

Candidates with M.Sc. (Physics/Mathematics) may apply through proper channel on the prescribed form available online at <http://www.prl.res.in/~mopa>. (M.Sc. final year students may also apply). Selected participants will be provided sleeper class train fare by shortest route and local hospitality.

Last date for receipt of applications: **30 September 2006**. **Contact: Dr S. A. Haider, Convener, Space and Atmospheric Sciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009**. Tel: (079) 26314555; Fax: (079) 26314659; email: mopa@prl.res.in

Organizing Committee: Dr Shyam Lal, Dr S. A. Haider, Dr R. Sekar, Dr Varun Sheel

BOSE INSTITUTE Kolkata

ADVT. NO. S/PMCG/12/2006

Applications on plain paper are invited from Indian Citizens for one post of Junior Research Fellow, in the DAE sponsored project entitled, '**Development and Characterization of Somatic Hybrid between *Brassica campestris* and *Rorippa indica* and Raising of Selfed Backcross Progeny Lines**', under Dr S. R. Sikdar, P.M.C.G. Section, on a Fellowship of Rs 8000 pm, plus admissible HRA and Medical benefit. The scheme is tenable for 3 (three) years.

Essential qualification : M.Sc. in any branch of Biological Sciences with NET/GATE qualification.

Age : Below 28 years (relaxable in case of SC/ST/OBC/WOMEN candidates only)

Applications quoting advertisement no. with complete biodata giving details of qualification, i.e. examination passed, year, division, percentage of marks from Madhyamik onwards with copies of testimonials should reach the Registrar, Bose Institute, P-1/12, CIT Scheme VII-M, Kankurgachi, Kolkata 700 054, within 15 days from the date of publication. The candidates may also send the application along with bio-data to Dr S. R. Sikdar through e-mail at samir@bic.boseinst.ernet.in. **Outstation candidates will be given to and fro II Class Railway fare by shortest route on production of railway tickets.**

Registrar