



**GOVERNMENT OF INDIA
DEPARTMENT OF SCIENCE AND TECHNOLOGY
(EARTH SYSTEM SCIENCE DIVISION)**

Announces organization of a 5-year cycle of SERC schools on **Global Positioning System and Atmospheric Science** and call for participation in

THE FIRST SERC SCHOOL ON BASICS OF GPS AND IONOSPHERE

The Department of Science and Technology (DST), Govt. of India, has an ongoing thrust area R&D programme on Earth's Atmospheric Environment under its Science and Engineering Research Council (SERC). In order to create research interest in this challenging area and to generate the necessary specialized manpower, it was proposed to organize a 5-year cycle of intensive advanced training schools on various themes relevant to the understanding of the atmospheric effects/constraints on Global Positioning System (GPS). Accordingly, it has been decided to hold the first SERC School entitled **BASICS OF GPS AND IONOSPHERE** at Research and Training Unit for Navigational Electronics (NERTU), Osmania University, Hyderabad during 4-24 August 2004 to cover the frontier areas of research in this field.

Broadly the following topics will be covered:

1. Ionospheric Physics relevant to GPS.
2. Ionospheric prediction models for GPS applications.
3. GPS performance and propagation effects.
4. GPS receivers and measurements.
5. GPS augmentation systems.

The faculty for the course will consist of eminent scientists/teachers drawn from various scientific and educational institutions in the country.

For this course, 35 participants from all over the country will be selected based upon the following criteria:

- First class M.Sc./M.E./M.Tech. in Physics/Geophysics/Electronics and Communication/Atmospheric Science/Mathematics/Space Science/Geodetic/Civil Engg. or B.E./B.Tech in the above disciplines with relevant working experience of 2 years.
- One year's research experience in any area of Atmospheric/Space Science/Electronics and Communication Engg./GPS and experience in handling experimental facilities/equipment/computer would be given additional weightage for selection.
- Age limit 35 years as on 31 August 2004.
- Grades obtained from the previous SERC School, if attended by the applicant, would have weightage for selection.

Application as per proforma given below may be sent through proper channel to Prof. A. D. Sarma, Course Director, First SERC School on **BASICS OF GPS AND IONOSPHERE** at Research and Training Unit for Navigational Electronics, Osmania University, Hyderabad 500 007 so as to reach him on or before **31 May 2004**.

Ph. +91-40-27098066, +91-40-27682362, FAX: +91-40-27091762
 e-mail: ad_sarma@yahoo.com

An e-mail version of the completed application may also be sent in advance.

The candidates selected will be paid TA/DA as per entitlement in their own parent organizations limited to AC-3 tier actual rail fares. If a selected candidate is not yet employed he/she will be reimbursed actual II Sleeper class rail fare in addition to admissible DA.

PROFORMA FOR APPLICATION
 (LAST DATE FOR RECEIPT OF APPLICATION 31 MAY 2004)

Name :
 Date of birth :
 Sex :
 Affiliation :
 Address (including e-mail, fax) :
 Educational qualifications :
 (Starting from highest degree)

Degree	Year	Univ./Institute	Class obtained (with percentage of marks)

Research experience :
 List of publications, if any (only refereed research journal publications) :
 Have you attended the previous SERC school? If so, grade obtained :
 Details of other training in the field :
 Proposed utilization of SERC school participation :
 Signature of the candidate :
 Recommendations of the Head of the Department/Institution :