

## Organizing Committee

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Hon. Vice Chancellor

The Maharaja Sayajirao University of Baroda

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Dr. C. S. Buch

### Treasurer

Dr. C. H. Nagesh

### Contact Details:

Mo. 09879048141

Email: [isgvadchap@rediffmail.com](mailto:isgvadchap@rediffmail.com)  
[drarunajoshi@yahoo.co.in](mailto:drarunajoshi@yahoo.co.in)  
[tmvkiran@yahoo.com](mailto:tmvkiran@yahoo.com)

To, \_\_\_\_\_  
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### Themes:

1. Monitoring and management of natural resources
2. Sensor technology and associate development
3. Potentials and applications of spatial technology
4. Remote Sensing for Regional Development
5. Commercialization of remote sensing

### Call for Papers:

Abstracts comprising around 300 words are invited on the theme of the seminar and should reach by 2<sup>nd</sup> Sept, 2013. For oral presentations 7 minutes will be given. Poster space should be 1x1 meters only.

Abstracts/Full length papers based on the theme of the seminar are invited and should reach by 5<sup>th</sup> Sept, 2013. The font should be 12pt. Times New Roman with main title by 14 pt. Times New Roman.

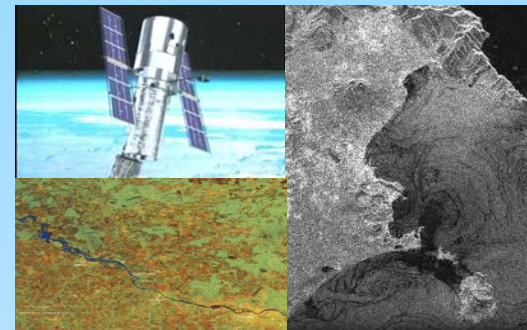
Abstracts sent, will be considered for poster presentations and the full length papers will be considered for publication in the proceedings. Maximum 12 papers, selected by technical committee will be considered for oral presentation. Intimation for the same will be given by 14<sup>th</sup> Sept, 2013.

### Prizes:

“Prizes will be awarded in both categories. Two for best poster presentations & Two for best oral presentations”

**\*Travel and accommodation charges will have to be borne by participants.**

## National Seminar on New Challenges In Remote Sensing Technology With Emphasis on Microwave Data



Organized  
By



ON  
28<sup>th</sup> September, 2013

### VENUE

PROF. S.S. MERH SEMINAR HALL  
DEPARTMENT OF GEOLOGY  
FACULTY OF SCIENCE  
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

**Seminar on  
New Challenges In Remote Sensing  
Technology With Emphasis on  
Microwave Data**

**Saturday, 28<sup>th</sup> September, 2013**

Remote Sensing Science has become a critical and universal tool for natural resource managers and researchers in government agencies, conservation organizations, and industries. It provides the basic data to undertake inventory of land, as well as the temporal information required to monitor sustainable land management practices. The types of Remote Sensing data vary but each plays a significant role in the ability to analyze an area from some distance away.

Three recent innovations in Remote Sensing (viz, Microwave Sensing, Hyperspectral Imaging and High spatial resolution) offer promising techniques to assist sustainable development. Microwave data is frequently cited as a solution for mapping the structure of vegetation as well as the moisture of the soils. Advances in this technology, such as full-polarimetric interferometric imaging radar provide capabilities for measuring new observables that could be utilized for retrieval of target's information i.e biophysical and geophysical quantities.

Gujarat being one of the state in India which has given tremendous growth to Space technology mainly from Space Applications Centre (ISRO) and Physical Research Laboratory. Gujarat is also an educational hub for Remote Sensing education and research in academic institutes like The M.S.University of Baroda, CEPT and Nirma and Gujarat Universities

in Ahmedabad, etc. Thus, IEEE GRSS Gujarat Chapter along with ISG and IWSA Vadodara chapters have organized this national seminar which envisages towards sharing recent technological advancement in the country after the launch of first microwave satellite named as **RISAT-1**.

**About IEEE:**

IEEE is Geoscience and Remote Sensing Society (GRSS) Gujarat chapter allows access to cutting-edge technical information in science and engineering for Remote Sensing of the earth, oceans, atmosphere, planets and space. It is aimed at focusing the advanced technology towards its use for various applications. IEEE GRSS Gujarat Chapter has been formed on 2<sup>nd</sup> May, 2013 and numbered as GRSS29.

**About ISG:**

Indian Society of Geomatics (ISG), established in 1993, is a premier society of professionals and institutions involved in promoting and popularizing Geomatics in India. It has active 14 Regional Chapters. ISG regularly brings out a quarterly newsletter (ISSN: 0972-642X) for circulation to its members. ISG-India publishes "Journal of Geomatics" and its website is [www.isgindia.org](http://www.isgindia.org).

**About IWSA:**

Indian Women Scientists' Association (IWSA) is a voluntary, non political, secular organisation registered in 1973, It has ten branches all over India and it's head quarters is located in Vashi, Navi Mumbai. Vadodara Chapter was initiated in 1987.

**National Seminar  
on  
New Challenges In Remote  
Sensing Technology With  
Emphasis on Microwave Data  
Saturday, 28<sup>th</sup> September, 2013**

**Registration Form:**

Name: Dr./Mr./Ms. \_\_\_\_\_

Membership No. \_\_\_\_\_

Designation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tel.(Off.) \_\_\_\_\_

Tel.(Res.) \_\_\_\_\_

Email: \_\_\_\_\_

Amount Paid: \_\_\_\_\_

Signature

Date:

**Registration Fees:**

**IEEE/ISG/IWSA members : Rs. 500/-**  
**Non Members : Rs. 750/-**  
**On the Spot : Rs.1000/-**

**\* DD/ Cheque should be sent in the name of "Chairperson ISG Vadodara chapter".**  
Add Rs. 50/- for outstation cheques.