

# 7<sup>th</sup> INTERNATIONAL CONFERENCE

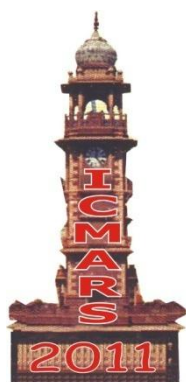
On

“Microwaves, Antenna, Propagation & Remote Sensing”

**ICMARS- 2011**

7<sup>th</sup> – 10<sup>th</sup> December 2011

**SOUVENIR**



Organized by  
**INTERNATIONAL CENTRE FOR RADIO SCIENCE (ICRS)**

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## WELCOMING OF PARTICIPANTS

Dear Participants,

I am extremely happy to welcome all the participants to the International Conference on Microwaves, Antenna, Propagation and Remote Sensing **ICMARS-2011** being organized by International Centre for Radio Science in the month of December 2011.

The International Centre for Radio Science was registered as a society in June 1997 and it has grown in last thirteen years and has contributed to the cause of radio science. It has by this time have trained 167 Engineering under graduates and Twenty Six M.E. & M.Tech students at ICRS. Two students are doing PhD under the guidance of Director, ICRS.

The overwhelming response received from the Institutions for the Conferences organized by ICRS gives the moral boost to all of us to conduct such an event every year. What we have achieved during these years has been due to the support of all who have worked for ICRS and what you will see and feel during conference is due to the hard work done by all who have been working at ICRS.

We are organizing a preconference workshop on Polarimetric Radar being conducted by Prof (Dr.) Wolfgang Martin Boerner and Dr. Madhu Chandra on 6<sup>th</sup> December 2011.

In **ICMARS - 2011** we are organizing 4 Special Sessions on the most currently launched Satellites **Soil Moisture and Ocean Salinity Mission, CHANDRAYAAN and Planetary Exploration, OCEANSAT & to be launched satellite RISAT**. We are thankful to all the scientists from Space Application Centre, Ahmedabad, ISRO Head Quarters, Bangalore & DRDO Laboratories whose support has encouraged us to organize the same.

ICRS Scientists have published 17 Technical Papers in the Indian Journals and have published 96 papers in proceeding of Conferences both National and International and have presented 95 papers in the National and International Conferences.

At ICRS we give training to all students of Engineering and MCA courses. The ICRS is a no profit no loss organization it is important that it serves the cause of Radio Science in the country as well as in the world. In coming years the microwaves will play a major role in the

life of a common man because of the varied applications in the field of communication, remote sensing, biomedical application etc. As the applications will increase the need for development of human resources will also increase. ICRS is committed to play significant role in training of manpower in the field of Radio Science.

All over the world and in India also the teaching of microwaves has almost vanished. At very few places in very limited way the subject is taught. The newer areas of Information Technology and Computer Sciences attract younger generation. The field of microwaves is left high and dry. It may be due to the fact that the methods of teaching microwaves and related subjects are not able to attract the students.

ICRS will try to initiate the course at the level of post graduation in Microwave Application. This will help in generation of human resource for the organizations in the country as well as for outside the country. ICRS is also planning to run short courses on microwaves, microwave remote sensing and antennas.

I am very happy to inform that this year for **ICMARS-2011** we have received about 300 technical papers from all over India. The papers as well as participants are from all parts of country. They are from universities, I. I. T.'s, Defence Research and Development Organization, Indian Space Research Organization, Council of Scientific and Industrial Research, and others.

In the present conference we will have in total 10 technical sessions. They will cover POL-IN-SAR, Antenna Analysis, Synthesis & Measurements, Microstrip Antenna and Processing, Microwave Tubes, Microwave Devices and Circuits, Material & Measurements, Remote Sensing, Communication, Signal Processing and Miscellaneous.

This is the Seventh International Conference that ICRS is organizing after having done seven National Conferences from 1998 and Six International Conferences. The proceedings of the Conferences have been published and in future also we will be doing the same.

In this International Conference we have got support from various departments of Govt. of India and Govt. of Rajasthan. The Institutions have also supported **ICMARS 2011** by


sponsoring as well as by sending a large number of delegates. The exhibitors as well as advertisers have also supported **ICMARS 2011**.

At ICRS we have successfully completed projects which were given by Defence Research and Development Organization. Now we are doing projects for MoES and DRDO. More projects are in pipeline from DST, PLANEX and ISRO. I also would like to extend invitation to the organizations for collaboration with ICRS and for sponsoring projects to ICRS.

ICRS is grateful to all the Departments and Institutions who have sponsored the Conference. We thank all the Organizations which have taken care of Hospitalities in the Conference. We thank all the Exhibitors and Advertisers who have kindly agreed to Participate in the Conference. I would like to thank the Media, Press and all others who have supported directly and indirectly in organization of **ICMARS 2011**.

We all at ICRS are fortunate that we have opportunity of hosting International Conferences which are being regularly organized by ICRS. During the Conference if any difficulty is experienced by the participants we apologize for that and we will see that we do not repeat the same mistakes again. We at ICRS expect similar support in future for the forthcoming conferences.

It will be our endeavour that you enjoy your stay at Jodhpur and carry sweet memories of this **ICMARS - 2011** and plan to come again with your friends and colleagues for **ICMARS - 2012**.



(O P N Calla)

Chairman (Conference)

Director, ICRS

# **ICMARS-2011**

**INTERNATIONAL CONFERENCE  
ON  
“MICROWAVES, ANTENNA, PROPAGATION & REMOTE SENSING  
(ICMARS-2011)”  
7<sup>th</sup> – 10<sup>th</sup> December 2011**

**Organized by**



**International Centre for Radio Science  
“OMNIWAS” A-23, Shastri Nagar, Jodhpur 342003**

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***ICMARS - 2011***

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