

## Guidelines

- Indians Students, Lecturers and Professors will be provided free accommodation and Travel Allowances. This facility will be provided only to those delegates who will deposit their registration fee and send travel plan before 25.10.2011.
- Boarding and Lodging:** The accommodation will be provided in University Guest House, DRDO Guest House and Hotels. No free accommodation will be provided to the participants who register after 25.10.2011. It will be better for the participants to ask for accommodation along with the registration fees so that the organizers could make proper arrangement.
- Traveling Expenses:** Organizing committee will try to provide traveling expenses to limited number of **Indian Professors, Lecturers and students** as applicable on the availability of grant for this purpose. Lecturers and Professors are entitled for 3 tier AC and Students are entitled for sleeper class by shortest route. This facility will be provided to those delegates who will send their registration fees and Travel plan before 25.10.2011.
- Delegates who are interested in On Desk Registrations are requested to fill their Registrations forms and submit before last date of registration. Delegates who will Register On-Desk will not be entitled for Accommodation and Travel Allowances.

## Organizing Committee

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# INTERNATIONAL CONFERENCE ON MICROWAVES, ANTENNA, PROPAGATION & REMOTE SENSING

**ICMARS - 2011**

**7<sup>th</sup> - 10<sup>th</sup> December 2011**

**And**

**Pre- Conference Workshop**

**On 6<sup>th</sup> December 2011**



ORGANISED BY  
INTERNATIONAL CENTRE FOR RADIO SCIENCE  
"OM NIWAS" A-23, Shastri Nagar  
JODHPUR-342003



**Sponsored by**  
Departments of Govt. of India and Rajasthan  
CEERI Pilani, ATMS-India, International Union of  
Radio Science (URSI), IEEE AES/COM/LEO, India,  
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## GLIMPSES OF ICRS

The Radio waves were first generated by Sir J.C. Bose in India more than 100 years ago. In last 100 years there has been phenomenal growth in the Technology, Science and Application of Radio waves all over the world.

International Centre for Radio Science (ICRS) is a registered society, was registered in June 1997 with objective of conducting research, training and teaching in Radio Science Telecommunication, Electronics, Computer and Information Science. ICRS has registered office at Jodhpur and has collaborative programmes with Research Institution as well as Universities. ICRS has worked for DRDO, SASE, ITR, LRDE, RCI, CABS Bangalore. Currently ICRS is working on three Projects these are: (1) "Development of linearly polarized Rectangular Corrugated Horn Antenna" (EP & IPR, DRDO, New Delhi) (2) "To Study and Establish Methodology For Measurement of The Complex Dielectric Constant of Terrestrial Analogues of Lunar Soil" (PLANEX) PRL Ahmedabad, (3) "Simulation of SMOS Brightness Temperature (BT) using Radiative Transfer Model and Retrieval of Salinity from SMOS BT in Open Seas" for INCOIS, Hyderabad.

ICRS has organized seven National Conferences, in the year 1999, 2000, 2001, 2002, 2005, 2007 and 2008. Six International Conferences in the year 2003, 2004, 2006, 2008, 2009 and 2010, this Conference will be **Seventh** International Conference. The management council of ICRS consists of Scientist, academicians and intellectuals from DRDO, Universities, MIT, Industries and Medical profession.

The International Advisory Committee of ICRS has membership of Scientists from Belgium, Brazil, Canada, Holland, Japan, New Zealand, Russia, U.S.A. and U. K. Countries. About twelve M.Tech. Thesis and about 100 undergraduate students had completed their projects at International Centre for Radio Science. Two students are already registered for doing Ph.D Thesis. International Centre for Radio Science (ICRS) is now affiliated to Jai Narain Vyas University, Jodhpur and Ganpat University, Mehsana, Gujarat.

ICRS is unique institution of its kind which is having research and test facilities upto 40 GHz.

**About Jodhpur:** Jodhpur is the city, which used to be capital of Old Marwar State. It is situated in the south west of Rajasthan. Now it is second biggest city in the state. As per the Geographical location it has longest duration of bright sun shine and so it is known as "SUN CITY". It has historical buildings & monuments like Mehrangarh Fort, Umaid Bhawan Palace & other buildings of outstanding architecture in the city & nearby places like Mandore, Mount Abu, Ranakpur, Udaipur and Jaisalmer, which attracts large number of visitors. Jodhpur can be reached directly by train from Delhi, Mumbai, Bangalore, Ahemdabad, Kolkatta, Guwahati, Hyderabad, Chennai and Jaipur and by air, Jodhpur is connected to Delhi, Jaipur, Udaipur & Mumbai by direct daily flights. During December i.e. at the time of conference, the weather is cool, pleasant & excellent, so a place of great interest with excellent weather.

## ABOUT WORKSHOP

- **Learning Microwaves through CAD** by **Dr. M.Chandra**, Chairman Commission 'F' URSI, Dean, Faculty of Eng., University of Chemnitz, Germany.
- **Polarimetric Radar** by **Dr. W.M.Boerner**, University of Illinois, Chicago.

## ABOUT CONFERENCE

ICRS has been organizing annual conference on the related topics. It has already organized Seven National conferences and Six International conferences in December 2003, November 2004, December 2006, February 2008, December 2009 and December 2010. This is 7<sup>th</sup> **International Conference** on "Microwaves, Antenna, Propagation & Remote Sensing".

## TOPICS TO BE COVERED IN CONFERENCE

- ❖ Radio Frequency Communication Systems and Signal Processing.
- ❖ Electronics, Photonics and devices.
- ❖ Electromagnetic Noise and Interference.
- ❖ Wave Propagation and Remote Sensing.
- ❖ Biomedical applications of microwave.
- ❖ Antenna Analysis, Synthesis and Measurement.
- ❖ Expert systems for antenna design and smart antenna.
- ❖ Microstrip antenna and wideband antenna.
- ❖ Microwave and millimeter wave devices and circuits.
- ❖ Microwave measurements including Dielectric & material measurement.
- ❖ Navigational aids & Radar.
- ❖ Satellite communication.
- ❖ Microwave Applications (Communication, industrial etc.).
- ❖ Electromagnetic MetaMaterials.
- ❖ Nano Technology in Radio Science.

## SPECIAL TECHNICAL SESSION ON

- ❖ **RISAT (India's first Radar imaging Satellite)**
- ❖ **Oceansat-2**
- ❖ **Soil Moisture and Ocean Salinity (SMOS) Mission and Aquarius Mission**
- ❖ **Chandrayaan Mission and Planetary Exploration**

## Important Dates

**Submission of Summary (500 words) 15 October 2011**  
**Acceptance of Summary 20 October 2011**  
**Submission of Full paper 15 November 2011**

## Registration Fee (The form is enclosed along with this brochure)

Registration*			
Fee for delegates (INR/ USD)			
	Conference	Workshop	Conf + W
Individual	7500 INR/ 500 USD	7500 INR/ 500 USD	14000 INR/ 900 USD
Central Govt.	7500 INR	7500 INR	14000 INR
State Govt.	5000 INR	5000 INR	9000 INR
Students	3500 INR/ 250 USD	3500 INR/ 250 USD	6000 INR/ 400 USD
Industries	10000 INR/ 750 USD	10000 INR/ 750 USD	19000 INR/ 1400 USD

The registration fee includes conference material, tea, lunches and dinners.

**\*Registration before 01.10.2011 will get 10% discount. Last Date for Registration: 01.11.2011**

**Mode of payment:** All payments have to be made through DD (Demand Draft) in favor of "Director, International Centre for Radio Science" payable at Jodhpur.

## Tariff for Advertisement in Souvenir

Position	Indian (₹)		Foreign (\$)	
	Colour	B/W	Colour	B/W
Back Cover	20,000	-	500	-
Inside Front / Inside Back Cover	15,000	10,000	400	250
Full Page	10,000	8,000	250	150
Half Page	-	4,000	-	100

## Exhibition Stall Booking

Size	Indian (₹)	Foreign (\$)
2*2 Sq. meters	25,000	2500
Table Space	10,000	1000
Insertion of Material	5,000	500

**Exhibition:** During this conference, an exhibition will be organized. Educational Institutions and Scientific Organizations from the field of Radio Science and Companies and Industries related to this field & publishers are invited to display their projects and products. The request for participation should reach by 1<sup>st</sup> October 2011 **Best Exhibitors will also be Awarded.**

## Sponsorer's

Sponsorer's Name	INR (in Lacs)	USD (in thousand)
<b>Platinum Sponsor</b>	<b>5.00</b>	<b>25.00</b>
<b>Golden Sponsor</b>	<b>3.00</b>	<b>15.00</b>
<b>Silver Sponsor</b>	<b>1.50</b>	<b>7.50</b>
<b>Bronze Sponsor</b>	<b>1.00</b>	<b>5.00</b>
<b>Copper Sponsor</b>	<b>0.75</b>	<b>3.75</b>

The Platinum / Main sponsorer's name will be displayed promptly on the back ground of the dais and at the entrance to the seminar hall. A Full page ad from the main sponsorer will be published in all ICMARS publications **throughout the year**. During the proposed Symposium in December 2011, they will be provided with a large table space in / near the seminar venue. The main sponsorer will also be provided with a 15 minutes time slot to make a company presentation at suitable time to be decided mutually.

The Gold sponsorer's name will be displayed promptly on either or both sides of the dais. A half page ad from the main sponsorer will be published in all ICMARS publications **throughout the year**. During the proposed Symposium in December 2011, they will be provided with a table space in / near the seminar venue. The Gold sponsorer will also be provided with a 10 minutes time slot to make a company presentation at suitable time to be decided mutually.

The Silver sponsorer's will get their name displayed on sides of Dais and will get a table space and get suitable space in all publication **throughout the year**.

The Bronze sponsorer will get a table space only.

**Prof. O.P.N. Calla**  
**Chairman,**  
**ICMARS - 2011**

**Ms. Pooja Asopa**  
**Organizing Secretary**  
**ICMARS - 2011**

**REGISTRATION FORM**  
**Conference**

1. Name: \_\_\_\_\_

(In Block Letters)

2. Institute: \_\_\_\_\_

3. Category: Student/Lecturer/Professor/Scientist

4. Country: \_\_\_\_\_

5. Address: \_\_\_\_\_  
\_\_\_\_\_

6. Tel. No.: \_\_\_\_\_

7. Fax No.: \_\_\_\_\_

8. E-mail: \_\_\_\_\_

9. Gender:

M

F

10. Please tick below your choice:

(i) Participating

C

W

(ii) Contributing Paper

(iii) Interested in  
Displaying any  
Equipment

11. Demand Draft No. \_\_\_\_\_

Payable at Jodhpur for `/\$ \_\_\_\_\_

In favour of Director, International  
Centre for Radio Science (Conf.),  
Jodhpur is enclosed herewith.

12. Interested in post-symposium excursion  
Yes / No

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

To,

**Prof. OPN Calla**

Chairman Conference

International Centre for Radio Science

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