

# IEEE METROPOLITAN LOS ANGELES SECTION GEOSCIENCE AND REMOTE SENSING SOCIETY (GRSS) CHAPTER



### Scatterometer and RISAT-1: ISRO's Contribution to Radar Remote Sensing

Dr. Raj Kumar
Space Applications Centre
Indian Space Research Organization (ISRO)

Wednesday, September 16, 2015 5:30–7:30 PM

Sharp Lecture Hall, Arms Laboratory Caltech Campus Pasadena, California



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## The IEEE Geoscience and Remote Sensing Society Chapter in Los Angeles presents a special lecture event by Dr. Raj Kumar.

The Indian Space Research Organization (ISRO) has been developing microwave instruments for remote sensing missions since 1978, including radiometers, scatterometers, and synthetic aperture radars. This talk will describe ISRO's overall remote sensing program, and then focus on recent developments in scatterometry and SAR systems, notably OCEANSAT-2 and RISAT-1. Dr. Raj Kumar has been a scientist at the ISRO's Space Applications Centre for more than 30 years. He has contributed significantly towards the effective utilization of space technology for the studies of ocean, atmosphere and climate for societal benefits. The main focus of his research has been using satellite data for ocean state predictions with assimilative numerical models and algorithms development. His contributions are predominantly towards altimeter, scatterometer, and SAR systems.

### Refreshments will be served!

#### **AGENDA**

5:30pm - Refreshments

6:00pm - Welcome and announcements - Mark Lamb

6:15pm — Lecture by Dr. Raj Kumar

7:00pm — Discussion and Continued Refreshments

7:30pm — Adjourn



Sharp Lecture Hall, Arms (Enter from Bechtel Mall)

Route to Parking Structure (Free After 5pm)

Directions and Parking: Caltech is easily accessible from both the Harbor/Pasadena Freeway (110), southwest of campus, and the Foothill Freeway (210), north of campus. Please see <a href="http://www.caltech.edu/content/directions">http://www.caltech.edu/content/directions</a> for detailed directions. Street parking is free and unlimited at this time of day. There is also a parking structure on the southeast corner of California Boulevard and Wilson Avenue that is free to all after 5:00 p.m. on weekdays. Entrance off California Boulevard west of tennis courts (as indicated on map above). RSVP to la.grss.officers@ieee.org would be appreciated, but not required.