



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



Millimeter-wave Radiometers for Operational Weather Satellites
A lecture by Israel Galin, Northrop Grumman Consulting Engineer

Wednesday, June 19, 2013, 5:30-7:30 PM

Buwalda Room, 151 Arms Laboratory

Caltech Campus
 Pasadena, California



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The IEEE Geoscience & Remote Sensing Society Chapter in Los Angeles presents a special lecture event by Israel Galin on weather radiometers for defense meteorological satellites.

Abstract: Millimeter-wave radiometry has been a key observational tool for atmospheric remote sensing from space. Examples include operational monitoring of sea-ice coverage, cloud liquid water column density, and temperature profiles. Northrop Grumman has been a vertically integrated systems house over its 50 year history in radiometry. As off-the-shelf space technology has matured over the years, Northrop Grumman has focused more on integrating these components with custom technology items such as mixers and amplifiers. This talk will present the speaker's vast experience in mixer and multiplier device technology and its role in creating operational weather monitoring space systems, including SSM/T-1, SSM/T-2, and SSMIS for the Defense Meteorological Satellites Program (DMSP).

Refreshments will be served!

AGENDA

- 5:30 pm – Refreshments
- 6:00 pm – Welcome and Announcements – Paul Rosen, Chair
- 6:10 pm – Introduction of Speaker – Mark Lamb, Vice Chair
- 6:15 pm – Lecture – Israel Galin
- 7:00 pm – Discussion and Continued Refreshments
- 7:30 pm – Adjourn



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 <http://www.caltech.edu/content/directions> 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 5:00pm 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.