

IEEE GRSS Panel Discussion Event

4 May 2017, 5-7pm | Hosted by Northrop Grumman
1100 West Hollyvale Street, Azusa, CA 91702

“The Future of Space-Based Millimeter-Wave Radiometry”

*Distinguished Panel Speakers:
Dr. Chris Ruf, Dr. Shannon Brown and Mr. Jeff Hawkins*

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Since the 1960's, large space-based passive millimeter-wave radiometers (MMWR) built by the US provided support of earth monitoring missions for both NOAA and the DOD, as well as planetary missions for NASA. The future of large aperture sensors deployed in the US is uncertain. As communication technology advances into this undeveloped band of spectrum, NASA deploys systems designed to use some of these very sources of interference, e.g. CYGNSS. This and other trends in instrumentation affecting the exploitation of space-based MMWR are to be discussed briefly by each panel member, followed by a moderated audience participation directed to the panel members:

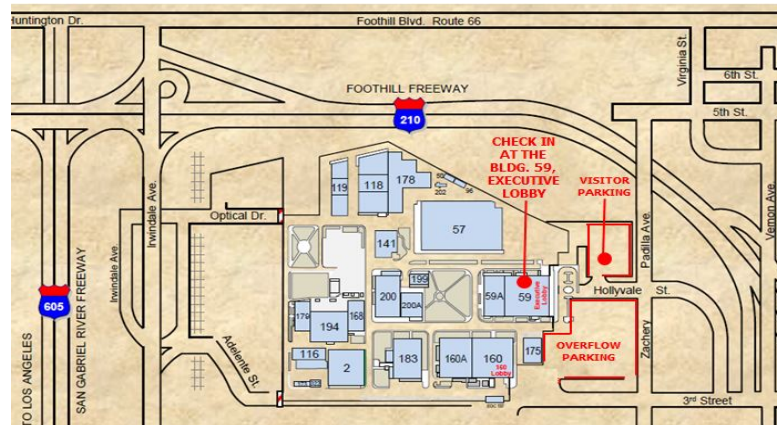
- **Dr. Chris Ruf**, Professor of Atmospheric Science and Electrical Engineering at the University of Michigan and IEEE GRSS Distinguished Lecturer
- **Dr. Shannon Brown**, Senior Technologist at the NASA Jet Propulsion Laboratory in Pasadena, CA
- **Mr. Jeff Hawkins**, Independent Contractor at Northrop Grumman and retired Meteorologist and Oceanographer at the Naval Research Laboratory in Monterey, CA

RSVP: To attend, please RSVP here: <https://goo.gl/forms/Bzez1rvf5G8R454z2> by **Thursday, April 20th**. It is pertinent that you RSVP by Thursday, April 20th so that an accurate Northrop Grumman visitor list can be generated allowing a seamless security check-in process.

Directions: Northrop Grumman is easily accessible from the 210 freeway with entrances and exits just east of campus off Vernon Avenue. Please see the [Northrop Grumman Visitor's Guide](#) for detailed directions.

Parking: Parking is available outside the Building 59, Executive Lobby on Hollyvale Street (as indicated on map). Additionally, there is an overflow parking lot just southeast of Bldg. 59, off 3rd street. Parking is free and unlimited.

Check-in: Check-in will be located in Northrop Grumman's Building 59, Executive Lobby from **5:00pm-5:45pm**. Northrop Grumman is a closed campus and all visitors are required to furnish proof of identification prior to entering the campus.



The Northrop Grumman Visitor's Guide can be found at:
http://sites.ieee.org/metrola-grss/files/2017/03/2017_Azusa_Visitors_Guide.pdf