

The Southern New Jersey Professional Societies



Presents:

“National Oceanic and Atmospheric Administration (NOAA) Joint Polar Satellite System (JPSS)”

Jeff Weinrich, Science and Technology Corporation (STC)

The JPSS Suomi National Polar-orbiting Partnership (S-NPP), NOAA-20, and the Global Change Observation Mission-Water (GCOM-W1) Satellites generate global environmental products that are available to domestic and international operational users and climate communities. These products provide mission continuity from legacy National Oceanic Atmospheric Administration (NOAA), National Aeronautics and Space Administration (NASA), and the Department of Defense (DoD) Polar-orbiting Operational Environmental Satellite capabilities. The sensor suite on the S-NPP and NOAA-20 is made up of these instruments: the Advanced Technology Microwave Sounder (ATMS), the Cross-track Infrared Sounder (CrIS), the Ozone Mapping and Profiler Suite (OMPS), the Visible Infrared Imaging Radiometer Suite (VIIRS), and the Clouds and the Earth's Radiant Energy System (CERES).

The JPSS Proving Ground and Risk Reduction (PGRR) program facilitates initiatives to increase or improve the use and value of JPSS data products in user products, services, and application or service areas. The aviation initiative was created as a solution to the need for satellite products in the aviation community and is focused on establishing and building relationships with pilots and forecasters. The initiative has been demonstrating JPSS/VIIRS cloud products to the pilots and forecasters in Alaska. It is also investigating the value of quantitative products to the pilots and forecasters, determining how polar satellite data improves diagnosis and forecast of aviation hazards, and highlighting experimental products for future applications. This talk will begin with an overview of the JPSS overview and as well as explore the current and future activities of the Aviation Initiative and provide interim results from the latest demonstration.

Wednesday, September 18, 2019

Location: Blue Heron Pines Golf Club

550 Country Club Dr, Egg Harbor City, NJ 08215

(609) 965-1800 Check their website for directions: www.blueheronpines.com

Time: Social Time: **6:00 PM** Dinner: **6:30 PM** Speaker Approx: **7:45 PM**

Menu: Buffet style dinner

Cost: \$19 AIAA/IEEE/INCOSE Members, \$23 ITEA/NSBE/HFES/Guests, \$15 Students

Reservations due by noon Tuesday, September 17th

Joe Burns 609-338-8789 (C)

jfburns54@ieee.org

Mike Konyak 609-280-8179 (C)

snj.aiaa@gmail.com