



JPSS – Students Professional and Academic Readiness with Knowledge in Satellites (JPSS-SPARKS)

Now Seeking Paid Interns in College Park, MD

June 11, 2018 to August 10, 2018

What is JPSS?

JPSS is the Joint Polar Satellite System, and represents NOAA's latest generation of polar orbiting environmental satellites.

What is SPARKS?

SPARKS is Students Professional and Academic Readiness with Knowledge in Satellites, and serves as a pathway for students to learn job skills and satellite science from IMSG staff and NOAA experts, and later transition into mentorships alongside NOAA and IMSG staff.

What is JPSS-SPARKS?

JPSS SPARKS is in student workforce development *initiative* in NOAA JPSS mission sciences created in 2016. This is a *synergistic partnership* between Academia **CUNY-CREST**; Federal **NOAA** and Private Sector **IMSG** to engage CUNY CREST graduate students in direct hands-on training within the NOAA facilities in College Park, MD.

What is IMSG?

IM Systems Group provides scientific and technical expertise to NOAA's JPSS mission. IMSG staff associated with JPSS-SPARKS specifically work in satellite algorithm development and transitions of these algorithms to operations, requiring a mix of scientific and programming knowledge.

Who do we seek?

Graduate students or upper-level undergraduate students with a background in an environmental science or engineering background are welcome to apply. At this time only U.S. Citizens or Green Card Holders are eligible. Computer programming experience in multiple languages is encouraged, and will serve as a foundation for training with GPA 3.0 and above .

What Can Students Expect?

- Paid internship funded by CUNY CREST
- IMSG will provide the interns a work environment with a desktop and software.
- Learn about JPSS satellite instruments/products, calibration and validation of the products, and utilization of the products for land, atmosphere, ocean, and cryosphere applications.
- Gain in-depth knowledge of specific JPSS products through hands-on visualization activities and case studies applying JPSS products to various environmental applications.
- Programming classes will build on students' prior knowledge to develop NOAA-focused programming skills needed to work with the JPSS products.
- Professional networking opportunities with NOAA/NESDIS/STAR and other NOAA scientists

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