NOAA-NASA Satellite Meteorology Summer School
Colorado State University,
Fort Collins, Colorado

July 8 – 19, 2019

Program Announcement

The NOAA National Environmental Satellite, Data, and Information Service (NESDIS) and the NASA Earth Sciences Division are pleased to announce a Satellite Meteorology Summer School on the theory and use of Satellite Data to engage graduate students and individuals with early postdoctoral appointments in the science of developing and using satellite data for the atmosphere, land, oceans, and cryosphere. The program will include internationally recognized experts in radiative transfer theory, satellite meteorology, numerical weather prediction at both the global scale and mesoscale, along with opportunities for students to interact with the lecturers in an informal setting. The objective of the program is to foster the education of the next generation of satellite meteorologists and promote the use of observations from the latest operational and research satellite missions.

Topics

The following topics will be covered during the Summer School:

Radiative Transfer Theory
Satellite Meteorology
GOES-R, JPSS, NASA, and EUMETSAT satellite missions and instruments
Satellite Products
Hands-on Scenarios –use of satellite data and information in forecasts/warnings/alerts for severe convection, hurricanes, fire weather, aviation weather, flood mapping
Data Assimilation - fundamentals including variational and ensemble techniques
Applications of satellite data in numerical weather prediction

Eligibility

Graduate students who expect to receive or are currently working toward their Ph.D. in the physical, environmental, atmospheric or related science are invited to apply, as well as individuals with no more than two years of postdoctoral experience at the time of the Summer School being held July 8-19, 2019 at Colorado State University in Fort Collins, Colorado. Applications will also be accepted from exceptional students working toward their M.S. in the same fields as above. Travel support is anticipated for up to 15 participants, along with up to 10 more places for students who have funding support from their own or other institution.

ANNOUNCEMENT - SATELLITE METEOROLOGY SUMMER SCHOOL

Application Process

There is no formal application form. Qualified applicants should apply by sending the following material:

Curriculum Vitae

Statement of interest (no more than one page) with a one-page summary of the applicant's research.

Three supporting letters from people in the field in addition to a letter of endorsement from your graduate advisor.

The above documents should be sent via email by **March 31, 2019** to **the chair of the Scientific Steering Committee**

Dr. Dan Lindsey (dan.lindsey@noaa.gov)

Candidates will be selected competitively based upon documentation they provide and will be notified of the disposition of their application by **April 30, 2019.**

Financial Support

Travel support to and from the Summer School, lodging expenses, and per diem will be provided for the two-week program for approximately 15 participants. Additional applicants may be invited to participate, but they will need to provide their own financial support.

Venue

The Summer School will be held at **Colorado State University, Fort Collins, Colorado**. Detailed logistical information for the Summer School will be provided to the individuals selected for participation at the time they are notified of their selection.