The Cooperative Institute for Research in the Atmosphere (CIRA) at Colorado State University seeks to fill a Research Associate II position to collaborate with scientists and instructors at the National Weather Service’s Office of the Chief Learning Officer (NWS/OCLO) and the Regional and Mesoscale Meteorology Branch (RAMMB) of the National Environmental Satellite Data and Information Service (NESDIS) in Fort Collins, CO. The individual in this position will report to the CIRA Training Team Lead and assess training gaps and provide meteorological expertise in support of training and education efforts in applying the latest geostationary and polar orbiting satellite imagery and products to the warning decision making process.

Decision Making:
The individual in this position will make decisions for training development based upon his/her analysis of meteorological fields, available weather data and products, and feedback from developers and stakeholders. He/She will work both independently and collaboratively with developers and stakeholders, and will conduct regular meetings to develop and evaluate training and set priorities. Specific decision-making activities are described as follows:

- decide design and content of training for the National Weather Service using knowledge and experience of atmospheric science, weather models, satellite imagery and products, radar, surface and upper air observations, and other decision support tools;
- set meetings with developers and stakeholders to discuss and set training priorities and then decide which feedback to implement and how to implement it into the final training;
- decide how to implement and automate products in NOAA/NWS automated operational computing environment;
- set meetings with developers and stakeholders to discuss and develop evaluation methodologies for effectiveness of new and existing training and then decides how to evaluate and implement the results.

Essential Job Duties:

Collaborative Research (50%):

- work with the NWS Office of the Chief Learning Officer (OCLO) and the NOAA/NASA GOES-R series and JPSS proving grounds to develop training that interprets satellite imagery, data, and derived products at high spatial, spectral and temporal resolution for identification of hazards related to critical weather observations used for warnings and forecasts, and also integrates the application of satellite data into the NWS operational warning process;
- acquire and apply skills in the operation of Linux, Windows workstations, and virtual machines to display and analyze satellite imagery and products.

Dissemination of Research Results (50%)

- prepare for, present, and participate in Test Bed Experiments, Training, and Workshops offered through National Weather Service (NWS) Offices and Office of Atmospheric Research (OAR) Laboratories;
- attend meetings and professional conferences to interact with the developer and user communities and to present research and training materials that enhance the understanding of new meteorological applications.

Required Qualifications:

- Bachelor’s Degree in Atmospheric Science or a similar quantitative field plus 4 years of relevant professional experience or Master’s Degree in Atmospheric Science or a similar quantitative field;
- experience working with interdisciplinary atmospheric research or operational forecasting teams;
- experience presenting research at conferences and in an academic environment;
- experience managing multiple stakeholder interests and effective interactions with the public, private, and industry personnel;
• strong communication skills, both written and verbal.

**Preferred Skills or Knowledge:**
• instructor experience;
• experience in remote sensing;
• programming skills in Linux (or Unix) operating systems;
• experience in operational data fusion using satellite, radar, and total lightning meteorology to produce an operational picture of current warning diagnostics and short-term forecasts;
• experience communicating what is known from remotely sensed data;
• knowledge of probabilities/uncertainties for warning decision making in the Impact-Based Decision Support environment of the NWS;
• familiarity with remote sensing data processing packages;
• familiarity with NOAA operational visualization packages (AWIPS);
• familiarity with short-term data assimilation and modeling for Data Integration in the Warning Environment (eg. ProbSevere, HRRR, RAP, SREF, etc.)
• Knowledge and experience with convection-allowing models and short-term model ensembles;
• skills in graphic design or illustration;
• experience/education in project management, teamwork.

**Annual Salary:** $55,000 - $65,000 commensurate with qualifications and experience.

**Background Check:**
Colorado State University (CSU) strives to provide a safe study, work, and living environment for its faculty, staff, volunteers and students. To support this environment and comply with applicable laws and regulations, CSU conducts background checks. The type of background check conducted varies by position and can include, but is not limited to, criminal (felony and misdemeanor) history, sex offender registry, motor vehicle history, financial history, and/or education verification. Background checks will be conducted when required by law or contract and when, in the discretion of the university, it is reasonable and prudent to do so.

**Commitment to Diversity and Inclusion:**
Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

**Application Deadline and How to Apply:**
Applications will be accepted until the position is filled; however, to ensure full consideration applications should be submitted by 11:59 PM MT on September 16, 2018. References may be contacted immediately and without further notification to the candidate. Apply electronically by clicking “Apply to this Job” at the following website: [https://jobs.colostate.edu/postings/59727](https://jobs.colostate.edu/postings/59727)

**NOTE:** In your cover letter, please specifically address the required and preferred qualifications of this position. A cover letter that fails to address the required and preferred qualifications of this position may not be further considered after review by the search committee.

Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy and will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services. The Title IX Coordinator is the Executive Director of the Office of Support and Safety Assessment, 123 Student Services Building, Fort Collins, CO 80523 -2026, (970) 491-7407. The Section 504 and ADA Coordinator is the Executive Director of Human Resources and Equal Opportunity, Office of Equal
Opportunity, 101 Student Services Building, Fort Collins, CO 80523-0160, (970) 491-5836.