

# Research Engineer Recruitment

## National Center for Atmospheric Research

### Earth Observing Laboratory



The National Center for Atmospheric Research (NCAR) Earth Observing Laboratory (EOL) seeks a full-time Research Engineer (level I or II) with experience in the design, calibration and characterization of phased array antennas. This position will join a team of scientists, engineers and technicians to develop the next generation airborne phased array radar (APAR) on board the National Science Foundation (NSF)/NCAR C-130 aircraft. APAR applies state-of-the-art phase array radar technology to atmospheric science to address key scientific questions on severe weather, tropical cyclone, and climate change.

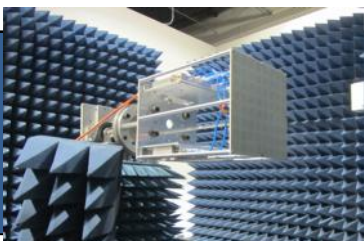
Conduct independent and collaborative research | Design and develop state-of-the-art antennas and RF circuitry for use in advanced phased array radars | Establish a robust engineering research program that aligns with EOL and NCAR strategic goals

#### ***Education and Experience Required:***

- Ph.D. or equivalent combination of education and experience in Electrical Engineering or Physics
- Three to six years' experience in design, development and characterization of microstrip patch antenna and/or phased array antenna
- Experience in writing proposals

#### ***Job Activities include:***

- Scientific and/or Technical Research: Conduct research in the area of phased array antennas and associated RF circuitry related to the APAR development. Publish research results in peer-reviewed journals. Develop proposals with the APAR team to secure funding for phased array radar-related developments.
- Development: Design and develop high performance phased array antennas and associated RF circuitry, e.g. transmit/receive (TR) modules. Characterize and calibrate phased array radar systems, and assist in integrating an airborne application of PAR on to the NSF/NCAR C-130 aircraft.
- Community Interaction and Field Project Support: Support field deployments to ensure that project objectives are met.
- Broader Roles in the Vitality of the NCAR Earth Observing Laboratory: Provide input toward setting priorities and goals. May supervise and/or mentor interns and/or engineers.



NCAR provides a full range of benefits and opportunities for growth.

EOE/AA - | Apply to Job #15026 online at <https://ucar.silkroad.com/>