



The Advanced Radar Research Center (ARRC) at the University of Oklahoma (OU) is currently looking to hire a research scientist in the field of microwave component and system design to support and further strengthen its rapidly growing sponsored research in DoD- and weather-related radar. This person will support the research mission of the ARRC by providing technical expertise to existing research projects, by supporting the development of new strategic capabilities, and by developing their own funded research program.



ARRC's Radar Innovations Laboratory

Required skills and proficiencies include:

1. PhD in electrical engineering or related field or equivalent military/work experience.
2. Proficiency in:
 - a. RF & microwave component design and fabrication.
 - b. Printed circuit board design, layout, fabrication, and assembly.
 - c. Electromagnetic modeling using commercially available simulation packages (HFSS, CST, FEKO...).
 - d. Design, analysis, modeling, integration, and testing of high-frequency systems.
3. Good communication, teamwork, and organizational skills.
4. Desire to interact and work with students, faculty, and technical & administrative staff.
5. Ability to multitask effectively in support of multiple projects.

Additional preferred skills and proficiencies:

1. Experience in reconfigurable filter design and implementation.
2. Power amplifier design and characterization experience.
3. Familiarity with electronic test equipment operation, spectrum/network analyzers, oscilloscopes, and function/waveform generators

The ARRC (<http://arrc.ou.edu>) is an interdisciplinary research center at OU specializing in radar systems for both meteorological and defense-related applications. The ARRC is part of ever-growing university strategic initiative in radar engineering. The ARRC consists of 18 faculty (both engineering and meteorology), 7 fulltime engineers, 14 postdocs and visiting scientists, and around 100 students, making it one of if not the largest academic radar research centers in the world. The ARRC is housed in a state-of-the-art, ~35,000 sq-ft. building dedicated to radar research and development (<http://arrc.ou.edu/ril.html>). The building includes a large microwave lab, high-bay garage for mobile radar development, prototype fabrication facilities, machine shop, and anechoic chambers.

To apply for this position, send a detailed resume and a statement of research, focused on how you can contribute to ARRC's research mission, to recruit@arrc.ou.edu with the following subject line: "OU ARRC Research Scientist Application – Full name". Additional questions may be directed to Dr. Hjalti Sigmarsson, ARRC & ECE, at h.sigmarsson@ou.edu.