

College of Engineering

Department of Electrical and Computer Engineering
334E Monteith Research Center
2410 Campus Shore Drive
Raleigh, NC 27606

The logo for North Carolina State University, featuring the text "NC STATE UNIVERSITY" in white, bold, sans-serif capital letters on a red rectangular background.

Call for applications:

North Carolina State University is leading the charge as the recipient of a \$39.4 million award from the Department of Defense to establish the regional Microelectronics Commons regional innovation hub, **Commercial Leap Ahead for Wide Bandgap Semiconductors (CLAWS)**. This initiative, part of the larger \$238 million investment through the Creating Helpful Incentives to Produce Semiconductors (CHIPS) and Science Act, aims to revolutionize the field of wide bandgap semiconductors.

CLAWS Hub leadership, Distinguished Professors John Muth and Fred Kish, are dedicated to the "lab to fab" journey—translating laboratory advancements into fabrication capabilities for wide bandgap semiconductors. The hub brings together a dynamic partnership with N.C. A&T State University and industry leaders, including Wolfspeed, Coherent Corp., General Electric, Bluglass, Adroit Materials, and Kyma Technologies, Inc. This collaborative effort will propel the development of semiconductors crucial for national defense, electric vehicles, power grid technologies, 5G/6G, quantum technologies, and artificial intelligence applications.

We are seeking talented individuals who are passionate about shaping the future of technology in five hub segment areas: 1) Silicon Carbide Electronics, 2) III-N RF Electronics, 3) III-N Photonics, 4) III-N Power electronics, and 5) Ultrawide bandgap electronics. If you're ready to be part of a team that is driving technological advancements and securing the nation's future, we invite you to apply for the following opportunities:

1. **Chief Technical Officer:** Lead the technical vision and strategy of the CLAWS Hub, including technical, financial, and operational aspects. Establish next-generation capability for semiconductor research by pioneering the CLAWS Research Foundry. Act as lead liaison to government contracting and Department of Defense agencies. Develop dual-use government/commercial technologies through the successful implementation of the hub.
2. **CLAWS Research Professors:** Assist Drs. Muth and Kish in CLAWS related research topics, addressing fundamental materials, device design, and fabrication issues as they arise. Assist in the preparation of hub project proposals, technical documents, and publications. Aid in the mentoring of students, small companies, and development of education and workforce programs. Previous industry experience is strongly preferred, ideally with a technical role in a small or startup company.
3. **Finance Manager:** Manage and oversee all financial aspects of the CLAWS hub, including budgeting, financial planning, and reporting. Ensure fiscal responsibility and compliance with funding guidelines. Collaborate with hub partners, government agencies, and industry members to facilitate financial coordination, funding allocation, and reporting requirements.
4. **Workforce Development Director:** Lead workforce development initiatives for the CLAWS hub, collaborating closely with academic partners, including NCSU, NC A&T, and local community colleges. Establish specialized programs for each hub technology segment (listed above), ensuring alignment with the evolving needs of the industry.
5. **Program Manager:** Develop and oversee comprehensive project plans for the CLAWS Hub, ensuring alignment with organizational objectives and timelines. Facilitate effective communication and collaboration among internal and external stakeholders. Identify, assess, and proactively mitigate project risks, employing strategic problem-solving strategies.
6. **Executive Administrator:** Provide executive-level administrative support by managing schedules, correspondence, and communications. Assist in the development and implementation of strategic plans, supporting leadership in achieving project objectives, maintaining timelines, and coordinating activities. Coordinate high-level meetings, prepare agendas, and provide accurate documentation.

If interested, please send your resume/CV to claws-admin@ncsu.edu with the subject line "Interest in position:" and the position name (e.g., Interest in position: Program Manager).