

## Open Postdoc Position

The **Xu Research Group** in the Department of Materials Science and Engineering at North Carolina State University is seeking a hands-on experimentalist to synthesize and process complex oxide thin films including fabricating freestanding oxide membranes and understand the complex interplay of degrees of freedom in such materials. To be successful in this position, you will bring:

- Ph.D. in physics, materials sciences, chemistry, or related fields
- Experience in the study of complex oxide thin films, preferably in thin-film synthesis (e.g., PLD, MBE, sputtering, etc.), thin-film characterization via scanning probe microscopy and device fabrication, and property measurements in thin-film geometries
- Demonstrated effective written and verbal communications skills
- Demonstrated ability to work and communicate in a diverse group
- Demonstrated ability to work both independently and in a team
- Willingness to learn and bridge knowledge/experience gaps

### About the Department

Materials Science and Engineering at NC State is recognized as one of the premier national and international academic and research programs. The department contains 24 tenure/tenure-track faculty members, three teaching/research faculty, ten research staff, 14 postdoctoral research scholars, and almost 300 graduate and undergraduate students.

### About North Carolina State University

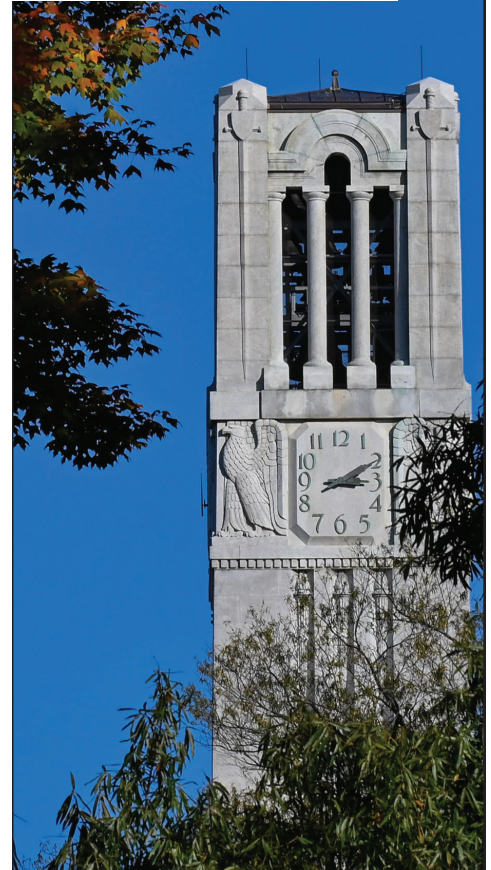
Located in Raleigh, NC State University is one of three major research universities anchoring the Research Triangle, along with Duke University in Durham, and University of North Carolina at Chapel Hill. The Triangle is home to major tech companies Red Hat, IBM and SAS, and soon, a Google Cloud Engineering Hub and a \$1B Apple campus. With over 100 miles of greenway, a vibrant music and arts community, and centrally located to beaches and mountains, Raleigh is consistently ranked among the best places to live and work in the United States.

This one-year appointment is now open with possible 1-2 year extension. Interested candidates contact Prof. Ruijuan Xu at [rxu22@ncsu.edu](mailto:rxu22@ncsu.edu) with "Postdoctoral Researcher Application" in the subject line.



**NC STATE**  
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*NC State University promotes equal opportunity and prohibits discrimination and harassment based upon one's age, color, disability, gender identity, genetic information, national origin, race, religion, sex (including pregnancy), sexual orientation and veteran status.*

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