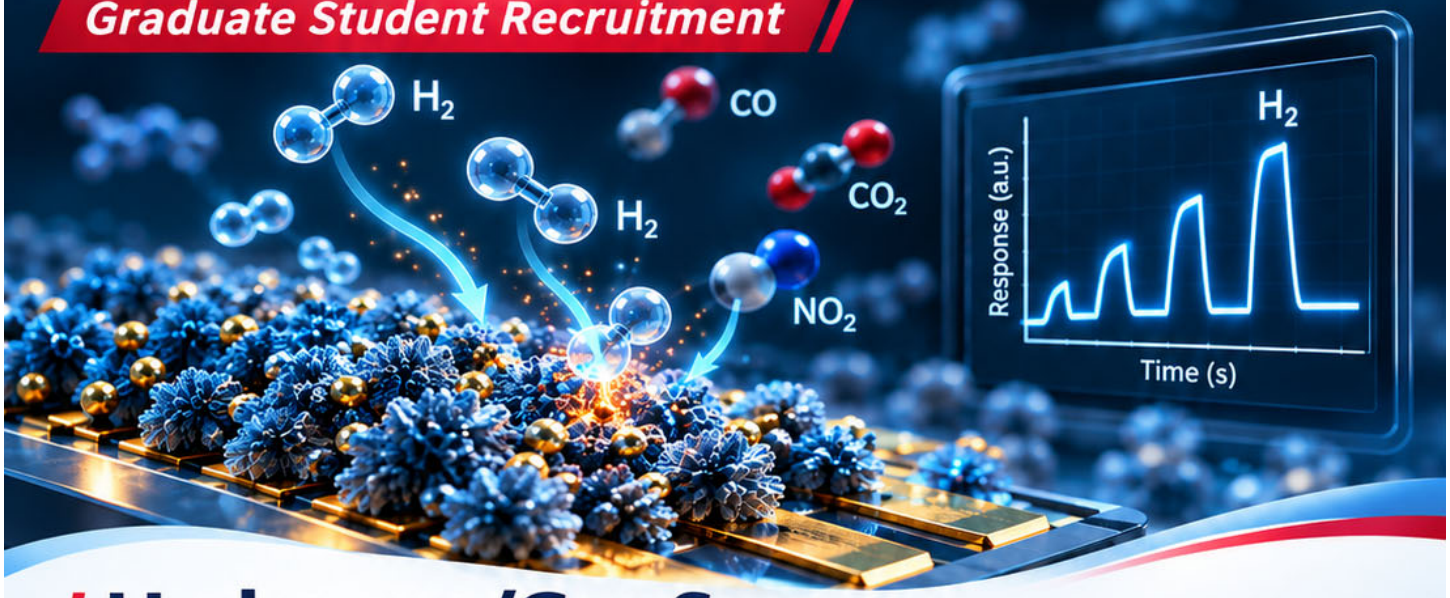
Zhao Nano Lab | University of Georgia

Graduate Student Recruitment



Hydrogen/Gas Sensors

Nanomaterials and intelligent devices for hydrogen and gas sensing applications.

Future Research Directions

- Nanostructured materials for selective hydrogen and gas sensing
- Intelligent sensor platforms and data-driven signal analysis
- Fast-response, high-sensitivity, and low-power sensing devices
- Environmental monitoring, energy safety, and industrial applications
- Integration of advanced materials, microdevices, and spectroscopy-enabled characterization



Opportunities for Graduate Students

- Work on cutting-edge nanomaterials and sensor devices
- Gain experience in fabrication, characterization, and data analysis
- Contribute to interdisciplinary research in materials, sensing, and AI
- Publish in high-impact journals and present at conferences

Preferred Background

- Physics, Materials Science, Chemistry, Engineering, or related fields
- Interest in nanomaterials, device fabrication, sensing, or spectroscopy
- Motivation for experimental research and innovation

How to Apply

Prospective students are encouraged to contact Prof. Yiping Zhao with a CV, transcripts, and a brief statement of research interests.

Email: zhaoy@uga.edu

Zhao Nano Lab – Nanotechnology | Spectroscopy | AI | Real-World Impact