



## **Proposal to Establish the Joint School's Institute for Research Technologies Presentation**

*Accelerating the Triad's Research and  
Innovation through state-of-art research  
facilities, brainpower, and collaboration*



*Renaming & Restructuring*  
*the*  
NanoManufacturing Innovation  
Consortium (NIC)

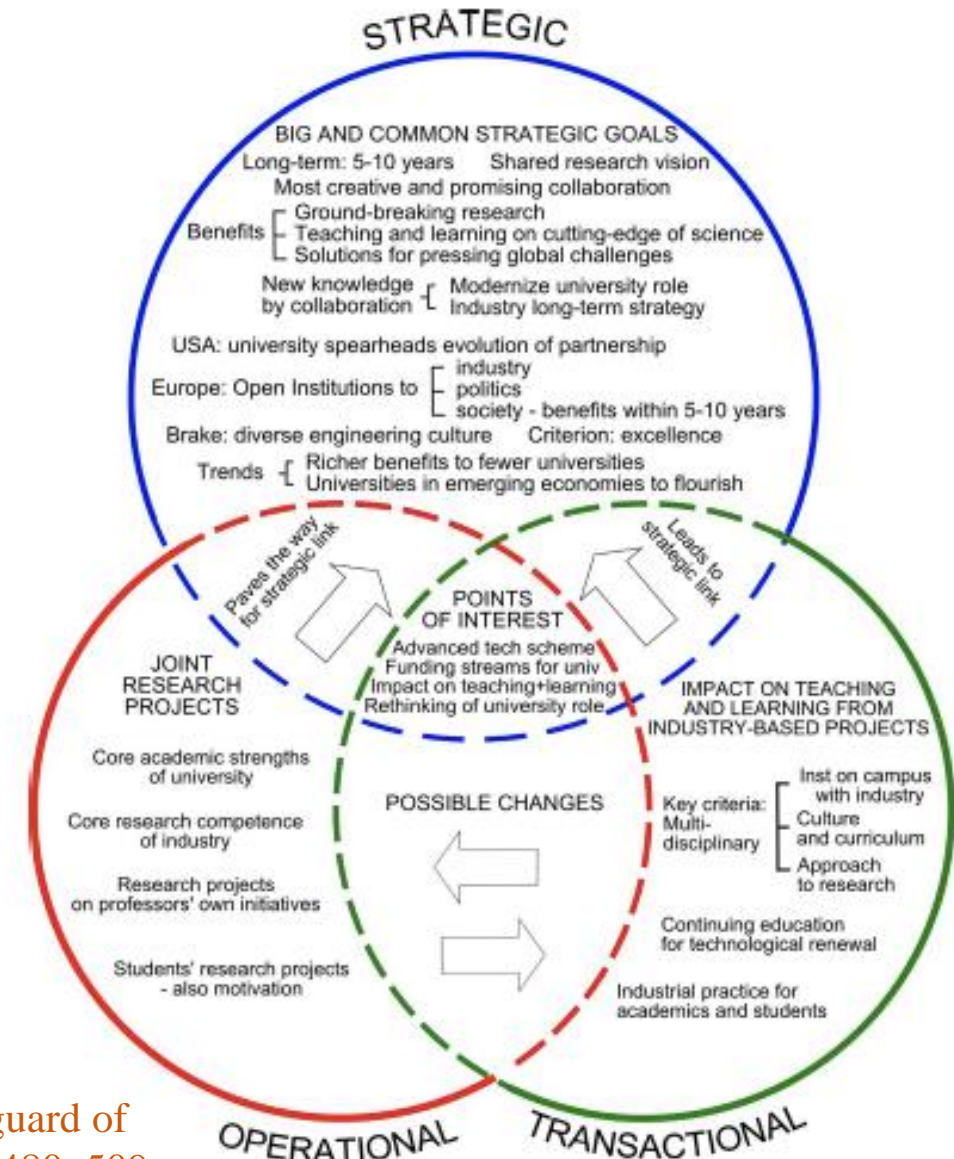
*for the greater good of*  
Faculty and Students of  
North Carolina A&T State University  
and the  
University of North Carolina at Greensboro

University – Industry partnerships succeed when we are:

- Strategic
- Operational
- Transactional

Best practices for building, strengthening and enhancing University – Industry partnerships need to be adopted from national organizations including:

- University – Industry Demonstration Partnership (UIDP)
- Association of Public and Land-Grant Universities (APLU)



# J-SIRT's Mission and Vision

## MISSION

J-SIRT will accelerate research and innovation through access to analytical and characterization instrumentation, strategic partnerships with faculty and industry, and building a skilled workforce.

## VISION

J-SIRT aims to be a national science, engineering, and nanotechnology research and innovation hub for and beyond the Triad

It takes people coming together from across institutions and industry to collaborate and coordinate their efforts, access research facilities, share brainpower to accelerate research and innovation, and in doing so builds a skilled workforce able to address 21<sup>st</sup> century research challenges.

*At the center of all these efforts, the connector that brings all the resources together, is J-SIRT.*



## The Joint School's Institute for Research Technologies (J-SIRT)

# **The Joint School's Institute for Research Technologies (J-SIRT)**

**For  
Industry**

**For  
Faculty**

**For  
Students**

**Instruments  
&  
Facilities**

**Student  
Internships**

**Research  
Resources**

**Research  
Consortia**

**Research  
Funding  
Opportunities**

**Educational  
Influence**



## Benefits of J-SIRT to Industry

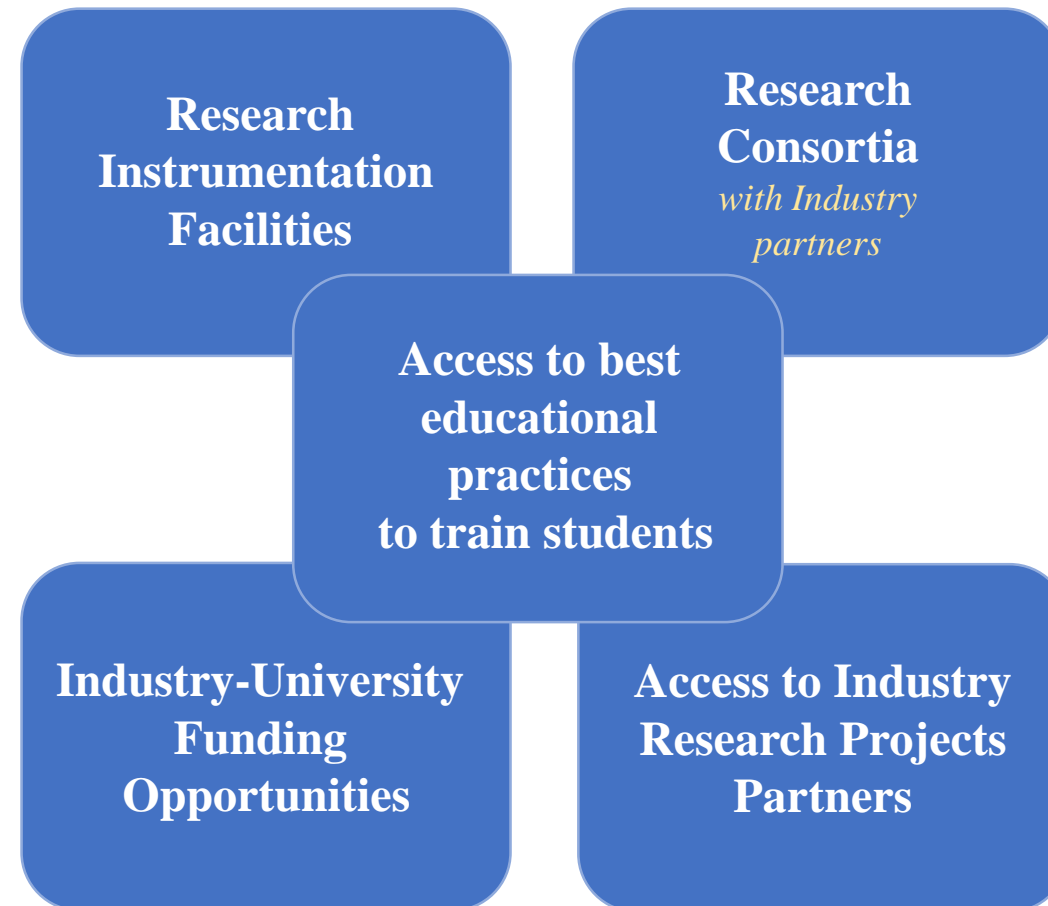
**What does J-SIRT Membership look like for Industry partners?**





## Benefits of J-SIRT to JSNN, NC A&T and UNC Greensboro Faculty

**What does J-SIRT offer NC A&T and UNC Greensboro Faculty?**





## Benefits to JSNN, NC A&T and UNC Greensboro Students

**What does J-SIRT offer JSNN, NC A&T and UNC Greensboro Students?**

Internship  
Opportunities

Access to gain skills  
on Industry  
Projects

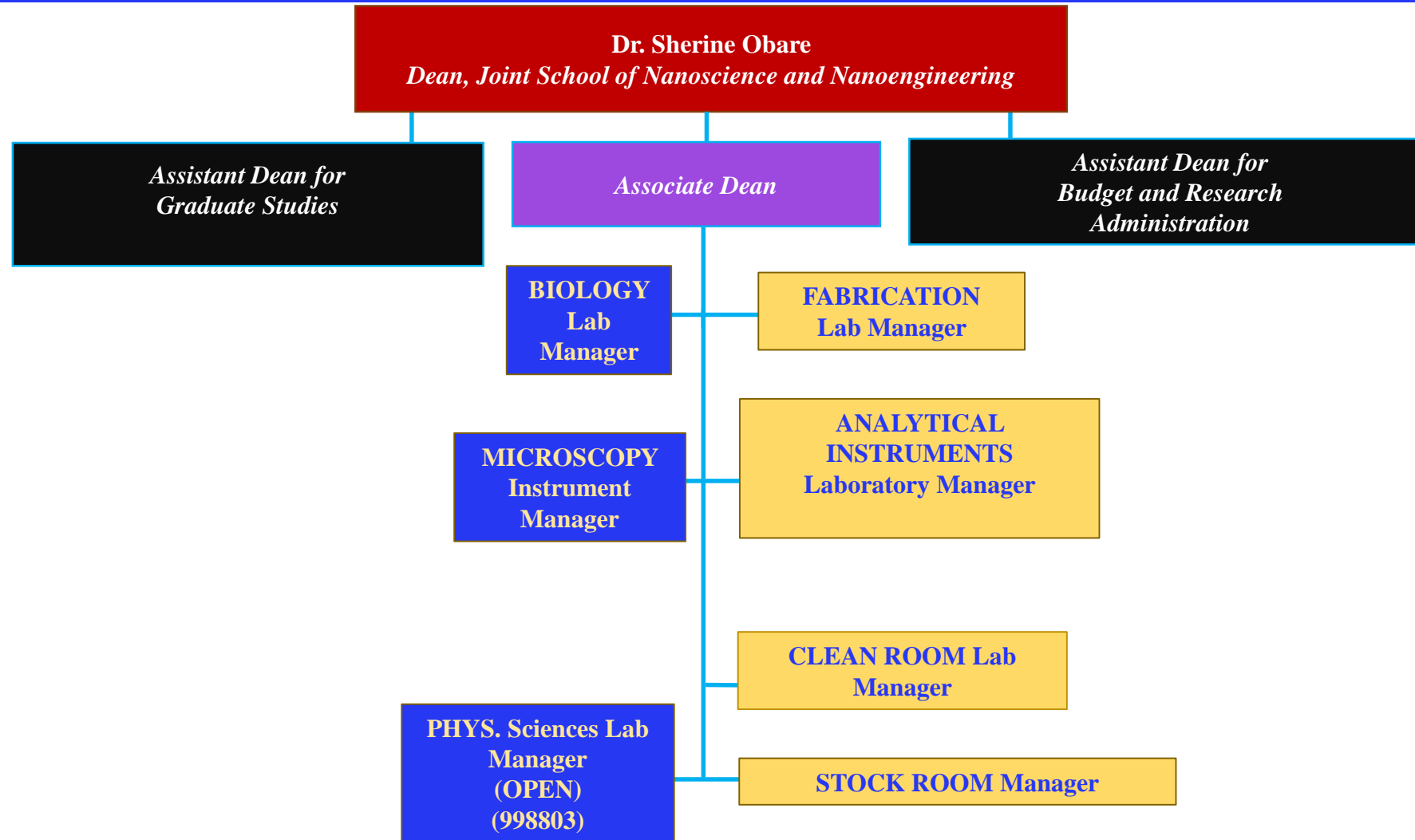
Job  
Opportunities

Entrepreneurship  
Education

Research  
Instrumentation  
Facilities



### Joint School's Institute for Research Technologies Organizational Chart





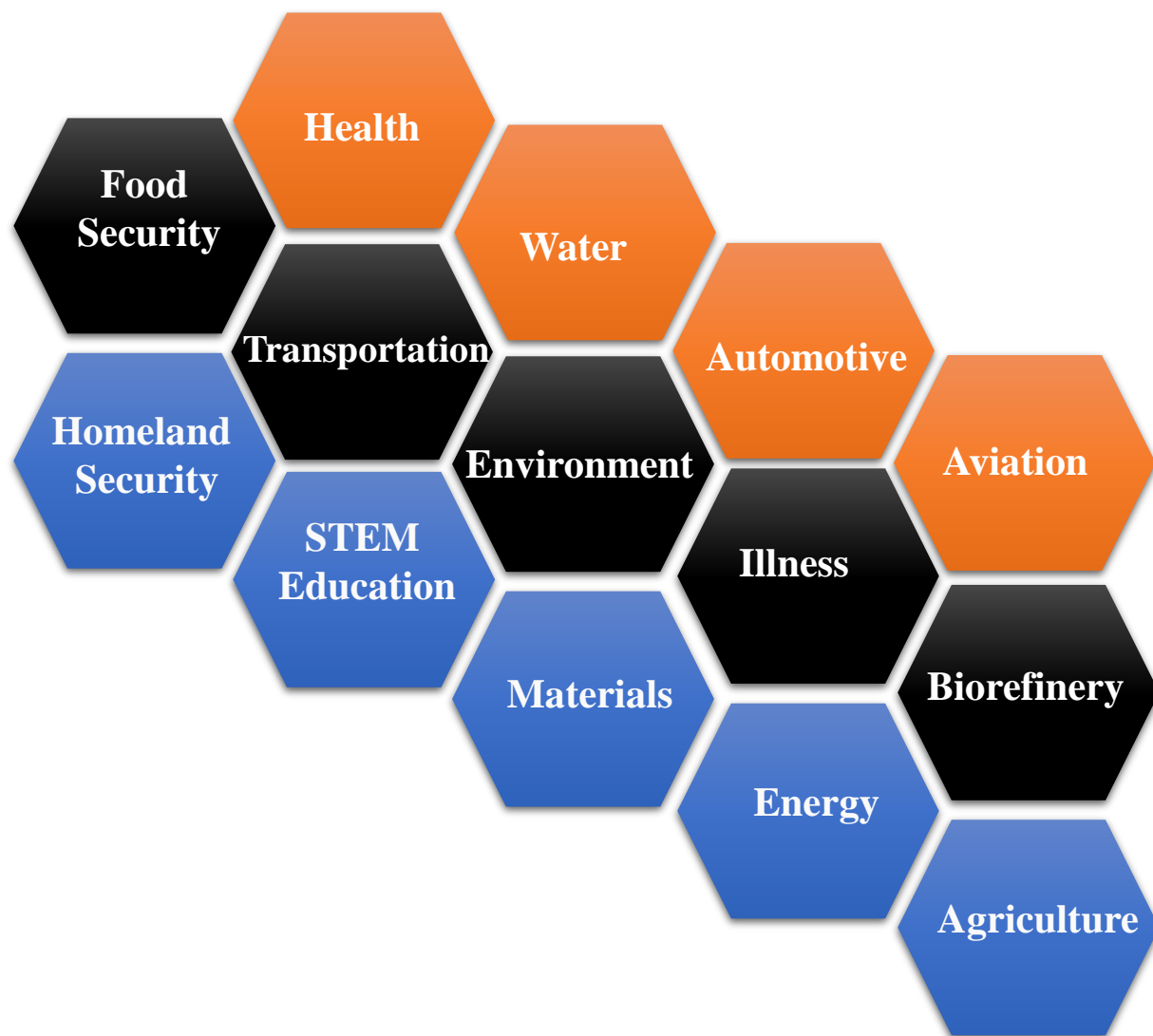
## JSNN Research Instrumentation Facilities

**Industry members will have the option to participate in a number of programs beyond just access to the research instrumentation and the facilities. There will be added benefits, strategic partnerships and benefits that will accelerate industry project success.**





## Expanding Industrial Reach in Nanotechnology and Beyond...





# The Joint School's Institute for Research Technologies (J-SIRT)

*Through the programs it offers to the faculty, students and industry partners, J-SIRT will accelerate the Triad's research and innovation using state-of-the-art research facilities, the brainpower of the faculty and through growth of global collaboration.*