

# PROPOSAL TO ESTABLISH THE JOINT SCHOOL'S INSTITUTE FOR RESEARCH TECHNOLOGIES (J-SIRT)



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Board of Trustees University Affairs Committee  
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Current University-Industry program ongoing at Gateway Research Park for JSNN  
**NanoManufacturing Innovation Consortium (NIC)**  
*Currently NIC is a program of JSNN administered by the Gateway Research Park*

## Goal of the Joint School's Institute for Research Technologies:

*The goal of the Institute is to align with Preeminence 2023, and in doing so, will accelerate research and innovation using JSNN's state-of-the-art research facilities, while strengthening collaborations globally using the brainpower of the faculty. The Institute will:*

- Increase faculty engagement with industry partners*
- Increase opportunities for students to engage with industry projects and prepare them for the workforce*
- Engage industry partners to not only utilize the facilities but to work with faculty to advance research and development*

**The Institute will be administered by JSNN**

# Mission and Vision

## MISSION

The Institute will accelerate research and innovation through access to analytical and characterization instrumentation, strategic partnerships between faculty and industry partners, and by building a skilled workforce.

## VISION

The Institute 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 the Institute.*



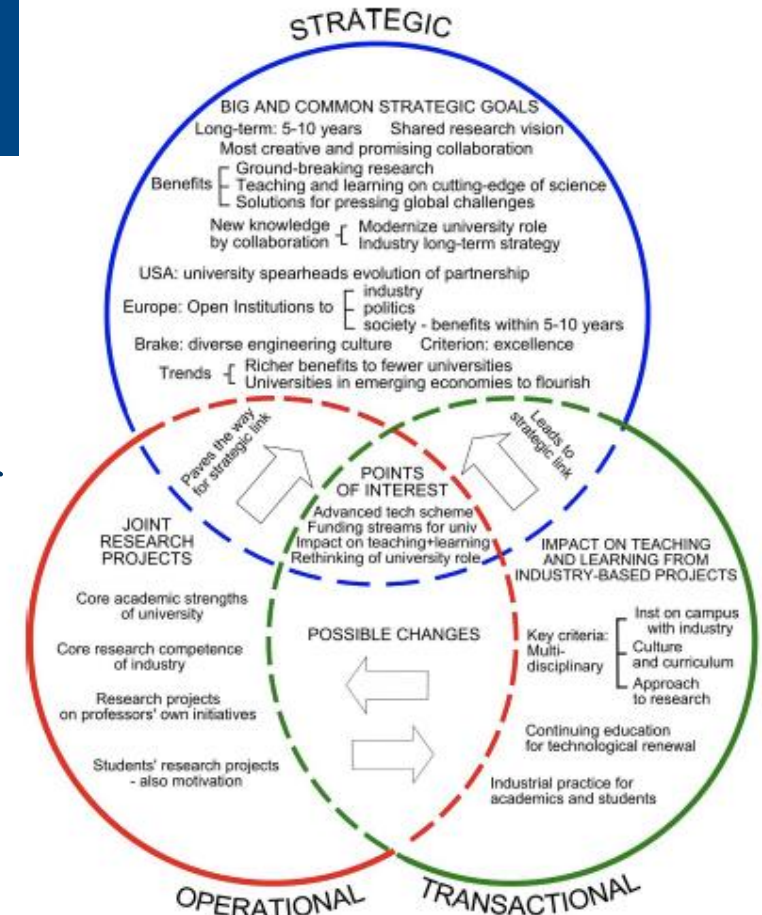
# Implementation of Strategies for Successful University-Industry Partnerships

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

JSNN will utilize models adopted from the University Industry Demonstration Partnership (UIDP) and the Association of Public and Land-Grant Universities (APLU) to strengthen University-industry partnerships at JSNN.

Industry partners 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.

The Institute will enable JSNN to further the mission of the Universities by advancing research and development, and building capacity for applied research while engaging our faculty and students.



László Szentirmai, László Radács. "University-industry Partnership in the Vanguard of Knowledge-Driven Economy", *Journal of Modern Education Review* 2014, 4, 480–509