

The National Science Foundation (NSF) Center for Visual and Decision Informatics brings together world renowned researchers and industry experts to advance research and innovation in big data — specifically on how organizations information is analyzed and interpreted to generate new value for decision makers. The centers research program focusses on developing industry centric big data solutions dealing with complex structured and unstructured data sets including text, images, video, sensor streams, and graphs.

## Research Areas

- Visual Analytics
- Predictive Analytics
- Interactive Visualization
- Social Media Analytics
- Data Cleaning
- Data Summarization

## Why should you join?

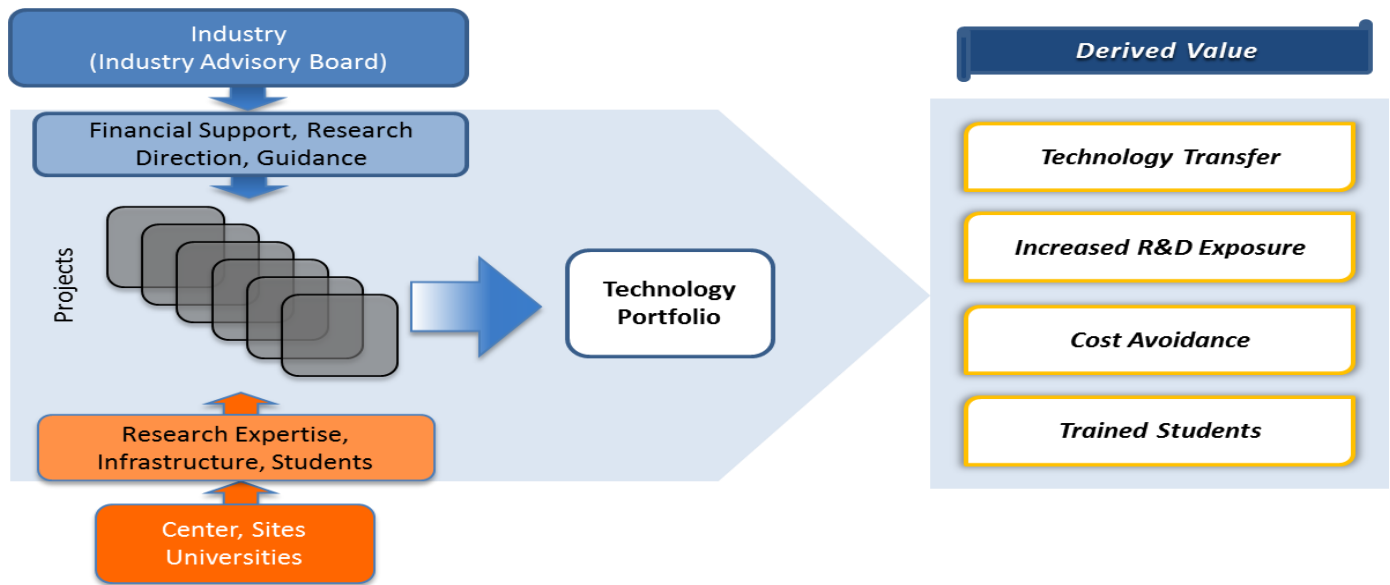
- The center's research agenda and projects are **driven by your organizational needs**
- Expand your innovation capacity through **collaboration, knowledge transfer** and **access to leading-edge technology innovations**, and world class research infrastructure
- A low-cost, low-risk venue that offers a **proven and successful collaboration model** built on decades of best practices and a demonstrated ROI.
- Access to **researchers and future workforce** that have experience working in industry relevant research

Current Members



Please visit [www.nsfcvdi.org](http://www.nsfcvdi.org) to learn more. Please contact Dr. Raju Gottumukkala at 337-482-0632 or [raju@louisiana.edu](mailto:raju@louisiana.edu) for more information.

## CVDI Collaborative Process



### Benefits for IAB Members

- CVDI provides **low-cost, low-risk precompetitive research**. 100% of the funds support research (<10% overhead). The Center has received \$1.3m in competitive NSF research funding and has generated \$3m in total funding.
- The center provides access to **non-exclusive royalty-free license** to intellectual property generated from all the projects. This amounts to 12:1 return-on-investment based on industry funding received from 2012-2015 and 42:1 return-on-investment if NSF support is counted.
- Access to **high-quality student pool** (mostly PhD students) who collaborate with industry research partners. This provides students exposure to real-world research problems, and enables companies to conduct research with less investment, and also evaluate and attract top talent.
- One-stop access to **world class research program**. The center has over 10 industry members, 16 academic faculty and research scientists, and over 15 PhD students. The center has produced 40 invention disclosures, 62 peer-reviewed publications over the past three years. **Highly-collaborative environment** with added flexibility for industry members to propose joint research projects with faculty and other industry, and team-up with faculty to pursue joint federal grant opportunities.

### Industry Guided Interest Areas



CVDI is a multi-university industry research center established as an Industry/University Cooperative Research Center (I/UCRC) under the National Science Foundation (NSF). The I/UCRC partnership is a proven model for success in which companies acquire external technologies through open innovation by partnering with universities. CVDI is one of the 6 NSF centers that has an international site.

