

An I/UCRC is a collaborative effort

among universities, large and small companies, state and government agencies, and other organizations for the purpose of conducting

pre-competitive research of shared value.

This model has been successfully utilized and refined for over 30 years.

Mission:

Grow the U.S. innovation capacity by developing long-term partnerships among industry, academe, and government.

Leverage NSF funds with industry to support and train the **next generation workforce** within a **global context**.

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The I/UCRC Model:

A Cooperatively Defined, Funded & Shared Research Portfolio

- Members pool their funds together to conduct pre-competitive research
- Members meet 2 times/year and collectively vote to recommend which projects to fund
- Members have access to faculty, students, and center resources at all sites
- Members have rights to a royalty-free, non-exclusive license to generated intellectual property



The NSF provides the operational framework, networking opportunities, additional funding opportunities, and more.

Benefits of Membership for Academe...

- New research and education program dimensions
- Student recruitment
- Leverage proof-of-concept results for new funding
- Trusted relationships with industry
- Ready partners for translation of discoveries
- Organize industry sector relationships

and Industry/Government

- High-value research projects
- Investment leveraging
- Sector networking
- Learning from industry peers and customers
- Pre-publication access to research
- Center researchers & facilities
- Access to talented students





Recent I/UCRC Fast Facts

1000

students trained in center research graduated in 2012

30% of graduates from I/UCRC centers were hired by members in 2011

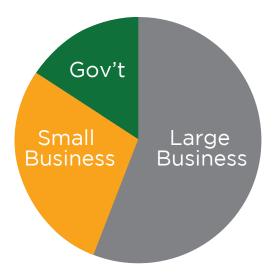


68 centers



192 sites

Membership



>40

graduated
I/UCRCs remain
in operation
true-to-model



Over 1000

industrial & government memberships

Number of Centers in Each Focus Area

- 20 Information Communication & Computing centers
- 10 Energy & Environment centers
 - 8 Advanced Materials centers
 - 8 Biotechnology, Health & Safety centers
 - 7 Advanced Manufacturing centers
 - 7 Advanced Electronics, Phototonics Fabrication & Processing centers
 - 4 System Design & Simulation centers
 - 4 Civil Infrastructure System centers

Program Contacts

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Rita V. Rodriguez, Ph.D. Program Director, CISE/CNS voice: 703.292.8950 email: rrodriguez@nsf.gov Become a part of the I/UCRCs. Find out how by contacting NSF program directors or center directors.

I/UCRC Homepage: nsf.gov/eng/iip/iucrc

Funded Centers

Advanced Knowledge Enablement Advanced Processing and Packaging Studies

Autonomic and Cloud Computing
Berkeley Sensor & Actuator Center
Bio Energy Research and Development
Broadband Wireless Appl. Center
Center for Advanced Forestry Systems
Center for Advanced Non-Ferrous Structural
Alloys

Center for Advanced Vehicle and Extreme Environment Electronics

Center for Agricultural, Biomedical, and Pharmaceutical Nanotechnology Center for Arthropod Management

Center for Biophotonic Sensors and Systems

Center for Configuration, Analytics and Automation

Center for Data Analytics

Center for Design of Analog Digital Integrated Circuits

Center for e-Design

Center for Electric Vehicles

Center for Electromagnetic Compatibility Center for Energy Harvesting Materials and Systems

Center for Excellence in Logistics and Distribution

Center for Freeform Optics

Center for Friction Stir Processing

Center for Fuel Cells (CFC)

Center for Health Organization Transformation Center for High-Performance Reconfigurable Computing

Center for Identification Technology Research Center for Integrative Materials Joining Science for Energy Applications

Center for Metamaterials

Center for Nondestructive Evaluation

Center for Optical Wireless Apps

Center for Particulate and Surfactant Systems

Center for Pharmaceutical Development

Center for Research in Intelligent Storage Center for Research in Storage Systems Center for Resource Recovery and Recycling Center for Spatiotemporal Thinking, Computing and Applications

Center for Surveillance Research

Center for the Integration of Composites into Infrastructure

Center for Tire Research

Center for Unmanned Aircraft Vehicles Center for Visual Decision Informatics Ceramics, Composites and Optical Materials

Child Injury Prevention Studies Cooling Technologies Research Center Cyberphysical Operating Rooms

Embedded Systems Energy-Smart Electronic Systems Center Experimental Research in Computer Systems

Grid-Connected Advanced Power Electronics Hybrid Multicore Productivity Research

Intelligent Maintenance Systems

Laser and Plasma for Advanced Manufacturing Membrane Science, Engineering and

Technology Center

Net-Centric System and Software
Next Generation Photovoltaics
Power Systems Engineering Research Center
Safety, Security, Rescue Research
Science Center for Marine Fisheries
Security and Software Engineering Research
Center

Silicon Solar Consortium
Smart Vehicles Concepts
Sustainable Integrated Buildings and Sites
Telecommunications (Connection One)
Visual and Decision Informatics
Water and Environmental Technology
Water Equipment & Policy
Wheat Genetic Resource Center

Wood-Based Composites Center

Four International Sites

Russia: Dubna International University
Germany: Leibniz University Hannover
India: Dharmsiph Desai University

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Belgium: Katholieke Universiteit Leuven

