Industry-University Cooperative Research Centers Program (IUCRC)

IUCRCs drive innovation by facilitating partnerships between universities, companies, and government agencies.

**MISSION**

IUCRCs leverage the talent and resources of industry, universities, and government to generate advances in technology and enhance industrially relevant workforce training for researchers.

**FAST FACTS**

(Data from 2015)

1:42

$1 in member contributions leverage $41 additional dollars in research funding

876

unique members

76

centers nationwide

211

research sites worldwide

37

states with an IUCRC site

1,586

center-trained students hired by members (2006–2015)

For more information visit www.nsf.gov/IUCRC

**THE PARTNERSHIP**

- **Government**
  - NSF catalyzes partnership. Other government entities fund research relevant to their needs

- **University**
  - Provides research infrastructure, human capital, and technical expertise

- **Industry**
  - Provides funding for research and insight for industrially relevant projects

IUCRCs are focused on bridging the gap between early academic research and commercial readiness

**TECHNOLOGY READINESS**

Early Stage Research

- CONCEPTUALIZATION

- DISCOVERY

- TECHNICAL VERIFICATION

Commercial Deployment

- TECHNOLOGY MATURE

- COMMERCIALIZABLE

- IMPLEMENTATION

- MARKET ENTRY

**THE STRUCTURE**

- **Centers**
  - Research collaborations focused on a topical area that are catalyzed by NSF and funded by industrial and government members

- **Sites**
  - Geographically distinct research labs that are located at universities and participate in the IUCRC

- **Members**
  - Companies and government agencies provide funding and expertise for needed innovation in their sector or industry
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University Benefits

TAKE ACTION

Industry Outreach
- Identify interested government or industry partners
- Secure letter of support for proposal
- Obtain letters of financial commitment

Preliminary Proposal
Check solicitation for required content. Submit preliminary proposal to NSF.

Planning Proposal
Submit a planning grant proposal to NSF detailing the thrust of the project and the members that would participate in the center.

Planning Meeting
Hold meeting with industry members to align center research with member needs. Finalize IUCRC research plans.

Full Proposal
Check the solicitation for required content and submit a full proposal to NSF that describes the contribution of all sites, scope of research, and membership support.

For more information visit www.nsf.gov/IUCRC

VALUE PROPOSITION

NSF provides $ for administrative and management costs

Members provide $ for research (only 10% overhead)

Increased $ for university Research

Student Support
Enhance resources available for student training, skills development, and job placement

Broader Impact
Work with industry to address societal challenges

Funding
Increase and diversify research funding through industry-driven research

Feedback
Receive industry guidance on research projects

Collaboration
Build relationships and develop industry partnerships for technology transfer

Access
Access to industry information to spur innovation

KEY EVENTS TIMELINE

PRE-PROPOSAL
Outreach to Members
Submit Preliminary Proposal
Submit Planning Proposal
Hold Planning Meeting
Submit Center Proposal

PLANNING AND COMMITMENT
Letter of Support
Letter of Support
Letter of Financial Commitment
3-6 MONTHS
3-6 MONTHS

CENTER LAUNCH
First Industrial Advisory Board Meeting
Write Center Bylaws
Vote on Projects

PROPOSAL REVIEW
Provide Feedback to Applicants
Award Planning Proposal
Award Center Proposal

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