



NIST Technologies, ongoing research and SBIR

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NIST Mission

To promote U.S.
innovation and industrial
competitiveness by advancing
measurement science,
standards, and
technology



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in ways that enhance economic security and improve our quality of life

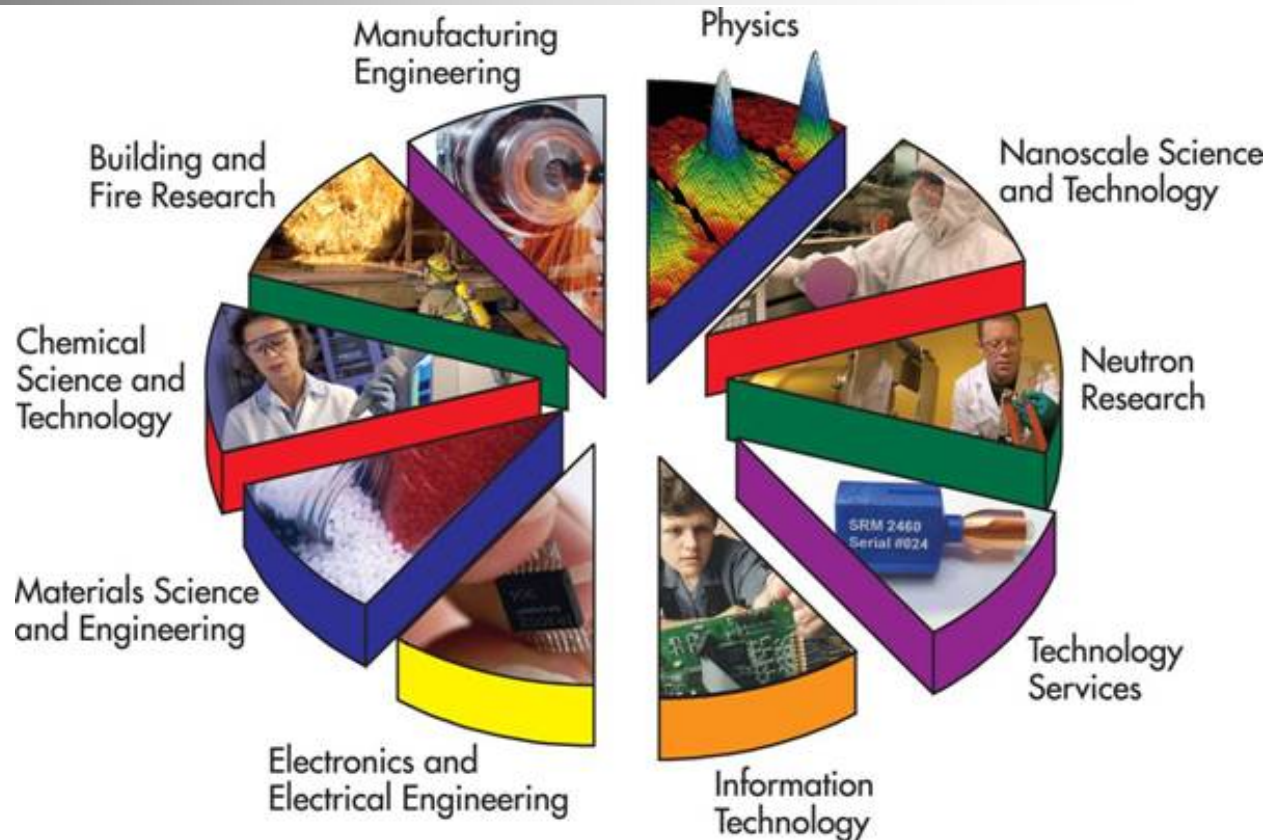
The NIST Laboratories

NIST's work enables

- Science
- Technology innovation
- Trade
- Public benefit

NIST works with

- Industry
- Academia
- Other agencies
- Government agencies
- Measurement laboratories
- Standards organizations





NIST Technologies Marketing and Outreach

- MoU - Partnership Intermediary Agreement with TEDCO (large provider of funds for technology transfer and development programs)
 - Hosted Tech Showcase ... 50+ technologies, 250+ attendees
 - Collaborated with UMD Dingman Ctr for Entrepreneurs
- Plan future showcases
- Developing searchable website of available technologies catalogued by industry and discipline, with downloadable 1-page synopses



NIST Technologies Marketing and Outreach – cont'd

- Outsourced handful of commercialization assessments to identify licensing leads
- Use of SBIR Program to transfer NIST technologies to small businesses
 - NIST SBIR TT – piloted in FY08

SBIR TT Solicitation



- a new type of Solicitation released emphasizing an **increase in private sector commercialization of innovations derived from federal R&D**
- Commercially promising NIST patents and technologies were identified along with the research gaps that delay their commercialization
 - That research will be funded with the goal of advancing the NIST technologies into the US market

SBIR TT Solicitation

The NIST background technology was identified two ways:

- Internally by researchers aware of commercial viability of their work
- Inviting public to “mine” NIST technologies of interest and aligned with business direction and technical expertise
 - Collateral benefit: 10s of expressions of interest

SBIR TT Solicitation - cont'd

The FY08 SBIR TT Solicitation will:

- Serve as a pilot to include research subtopics that address the technical areas described in NIST patents
- Grant a **non-exclusive research license** to the SBIR awardee
- Awardees will have the option to negotiate a **commercialization license**
- **Rights to all SBIR funded research will be owned by the small business awardee**



SBIR TT Solicitation - cont'd

Once selected and supported with a license to use NIST technology, the SBIR awardee will:

- Have access to NIST personnel, facilities, and knowledge regarding the invention (as necessary)
- Be in a position to create and add their own innovation(s)
- Potentially develop a product based on the NIST patent



NIST Funding Expectations

**** Contracts ****

No unsolicited proposals accepted

All proposals must strictly address research subtopics as specified

Phase 1 Awards - 6 months \$90K

Phase 2 Awards - 2 years \$300K



Technical Topics

ADVANCED BIOLOGICAL AND CHEMICAL SENSING
ANALYTICAL METHODS
HOMELAND SECURITY
INFORMATION TECHNOLOGY
INTELLIGENT CONTROL
MANUFACTURING SYSTEM INTEGRATION
MICROELECTRONICS MANUFACTURING
MICROWAVE TECHNOLOGY
NANOFABRICATION
OPTICS AND OPTICAL TECHNOLOGY
X-RAY SYSTEM TECHNOLOGIES

Solicitation Release: November
Proposals Due: January



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