NIST and Technology Transfer

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Chair, Federal Laboratory Consortium for Technology Transfer
Government Transfer Technology

• Large investment in mission focused research, including basic research - $140 billion

• Missions range from space flight at NASA, defense industries, energy production, health care and many others

• Useful as an economic engine for innovation and growth of new businesses

• We consider an expansive view of technology transfer
  • Patenting/Licensing
  • Technical publications
  • Collaborations – formal and informal
  • Public Domain software
Goal of U.S. Technology Transfer: Availability and Use of Innovations

Government
- Research/Invent
- Regulate
- Public benefit
- Consumer

Private Industry
- Develop
- Manufacture
- Distribute
- Market
- Sell
- Requires private capital
Policy Coordination

• The U.S. Department of Commerce provides policy coordination and promulgation of technology transfer regulation

• NIST leads the Interagency Workgroup for Technology Transfer (11 agencies)

• Annual reports for the President, the Congress, and OMB on utilization of technology transfer by DOC and across all agencies

• NIST has a statutory role as the “Host Agency” for the Federal Laboratory Consortium for Technology Transfer (~300 labs)
Lab to Market

FY 2015 President’s Management Agenda – Lab-to-Market Cross-Agency Priority Goal established to improve & accelerate technology transfer

GOAL ACTIONS
(1) Optimize the management, discoverability, and ease-of-license of 100,000+ Federally-funded patents
(2) Increase the utilization of Federally-funded research facilities by entrepreneurs and innovators
(3) Ensure that relevant Federal institutions and employees are appropriately incentivized to prioritize R&D commercialization
(4) Identify steps to develop human capital with technology transfer experience
(5) Maximize the economic impact of the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs
Search more than 38,300* active federal opportunities.
SMALL BUSINESS INNOVATION RESEARCH (SBIR)

- Stimulate technological innovation
- Use small business to meet Federal R&D needs
- Foster and encourage participation by women and socially and economically disadvantaged persons in technological innovation
- Increase private-sector commercialization of innovations derived from Federal R&D

http://www.sbir.gov/solicitations
Browse NIST technologies available for licensing, commercialization and research collaboration. Some of these technologies are patented the patenting process. Other technologies are available without a patent.

Information on how to request a license, license templates, and the license application, are available HERE.

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<thead>
<tr>
<th>Subject Areas</th>
<th>Bioscience &amp; Health</th>
<th>Information Technology</th>
<th>Building &amp; Fire Research</th>
<th>Manufacturing</th>
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<td>Bioscience &amp; Health</td>
<td>New medical diagnostic tests, improving the quality and cost-effectiveness of health care electronic records, reference materials for laboratory test methods, faster screening of promising vaccines, these are a few of the many areas where NIST research serves the needs of the bioscience and health care community.</td>
<td>Advancing the state-of-the-art in IT in such applications as cyber security and biometrics, NIST accelerates the development and deployment of systems and conducts research to develop the measurements and standards infrastructure for emerging information technologies and applications.</td>
<td>The mission of the building and fire research programs at NIST is to anticipate and meet the measurement science, standards, and technology needs of the U.S. building and fire safety industries in areas of critical national need.</td>
<td>NIST helps manufacturers of all kinds--shipbuilding to semiconductor makers--streamline their operations, improve quality, reduce environmental impacts, develop innovative products and processes, and expand their markets.</td>
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http://www.federallabs.org/

AVAILABLE TECHNOLOGIES SEARCH TOOL

Search thousands of available technologies from our federal labs that are ready for licensing.

What is the Available Technologies Search Tool?

The FLC Available Technologies tool provides a free one-stop shop to locate licensing opportunities for a particular type of technology anywhere in our nationwide system of federal labs and research centers. We are continually adding participating agencies and laboratories to the tool to enhance this search capability. We use a customized advanced Google search to scan the available technologies and quickly return relevant results so searching doesn’t require any specialized language knowledge.

Below the search feature you’ll see quick buttons to print or download a PDF of your first 50 search results. You can also obtain a login to the site and save your queries to easily run again in the future.

Watch a demo of the Available Technologies search: Demo

Search for a Technology

Enter your search criteria in the “search” box below.

Search: 

Advanced Search →

e.g. carbonfiber composite
Summary

• Role of technology transfer is to encourage private business development
• Rely on partnerships
• Continued emphasis on technology and innovation

Thank You

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