Welcome and ITL Update
Information Security Privacy Advisory Board

Jim St Pierre
Acting Director, Information Technology Laboratory
Transition...
NIST Leadership Changes

Jim Olthoff
Associate Director
performing the nonexclusive
duties of the NIST Director
NIST Leadership Changes

Chuck Romine  
Acting Chief-of-Staff

Eric Lin  
Acting Associate Director for Laboratory Programs
NIST Leadership Changes

Stephanie Hooker
Acting Director,
Material Measurement Laboratory

Joannie Chin
Acting Director,
Engineering Laboratory

Jim St. Pierre
Acting Director,
Information Technology Laboratory
“Patience is not the ability to wait, but the ability to keep a good attitude while waiting.”

Anonymous
Cultivating Trust in IT and Metrology
## Budget Summary

<table>
<thead>
<tr>
<th></th>
<th>FY 2020 Enacted</th>
<th>FY 2020**</th>
<th>FY 2021 Enacted</th>
<th>FY 2021**</th>
<th>FY 2022 President’s Request</th>
<th>+/- over FY 2021 Enacted</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRS</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Laboratory Programs</td>
<td>655.8</td>
<td>66.0</td>
<td>687.1</td>
<td>50.0</td>
<td>$915.6</td>
<td>$118.9</td>
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<tr>
<td>Corporate Services</td>
<td>17.3</td>
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<td>17.5</td>
<td>0.0</td>
<td>18.1</td>
<td>0.6</td>
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<tr>
<td>Stds Coord &amp; Special Pgm*</td>
<td>80.9</td>
<td>0.0</td>
<td>83.4</td>
<td>0.0</td>
<td>91.5</td>
<td>8.1</td>
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<td>ITS</td>
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<tr>
<td>Hollings Mfg Ext Partnership</td>
<td>146.0</td>
<td>50.0</td>
<td>150.0</td>
<td>0.0</td>
<td>275.0</td>
<td>125.0</td>
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<tr>
<td>Manufacturing USA</td>
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<td>10.0</td>
<td>16.5</td>
<td>150.0</td>
<td>166.7</td>
<td>150.2</td>
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<td>CRF</td>
<td>$118.0</td>
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<td>$80.0</td>
<td>0.0</td>
<td>$140.0</td>
<td>$60.0</td>
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<tr>
<td>Construc &amp; Major Renovations</td>
<td>43.0</td>
<td>0.0</td>
<td>6.1</td>
<td>0.0</td>
<td>0.0</td>
<td>(6.1)</td>
</tr>
<tr>
<td>Saf, Cap, Maint &amp; Maj Repairs</td>
<td>75.0</td>
<td>0.0</td>
<td>73.9</td>
<td>0.0</td>
<td>140.0</td>
<td>66.1</td>
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<tr>
<td><strong>Total, NIST Discretionary</strong></td>
<td><strong>1,034.0</strong></td>
<td><strong>56.0</strong></td>
<td><strong>1,034.5</strong></td>
<td><strong>150.0</strong></td>
<td><strong>1,497.3</strong></td>
<td><strong>462.8</strong></td>
</tr>
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</table>

* Includes Baldrige Performance Excellence Program funding from $2.2M in FY 2020, $2.5M in FY 2021, and $2.6M in FY 2022.

** Supplemental funding of CARES Act and ARP Act are presented but not included in the increase/decrease comparison column.
### New Executive Orders

<table>
<thead>
<tr>
<th>Executive Order 14028 (May 12)</th>
<th>Executive Order 14017 (Feb 24)</th>
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<tbody>
<tr>
<td><strong>Improving the Nation’s Cybersecurity</strong></td>
<td><strong>America’s Supply Chains</strong></td>
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</table>

**Charges agencies with enhancing the security of the software supply chain**

- Consult with stakeholders to identify or develop standards, tools, best practices, and guidelines to enhance software supply chain security
- Hold a software-related standards and guidelines workshop in June 2021
- Recommend minimum standards for vendors’ testing of their software source code and publish guidelines by July 2021
- Initiate two pilot labeling programs related to secure software development practices and IoT to inform consumers about the security of their products

**Charges agencies with reviewing global supply chains that support key U.S. industries to improve supply chain security**

- Identify risks in semiconductor manufacturing and advanced packaging supply chains
- Report on supply chains for critical sectors and subsectors of ICT industrial base
- Partner with federal agencies and private stakeholders to ID and map critical supply chains

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<tr>
<th>Executive Order 14005 (Jan 25)</th>
<th>Ensuring the Future Is Made in All of America by All of America's Workers</th>
</tr>
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</table>

**Charges agencies with partnering with Hollings Manufacturing Extension Partnership (MEP) for supplier scouting**

- Identify U.S. companies that can produce goods, products, and materials in the United States that meet Federal procurement needs
NIST Efforts in DEI

- NIST’s New Director of DEI
- Findings and Recommendations from Data-Driven Studies: COACh Study of STEM Promotion
- Findings and Recommendations from Data-Driven Studies: ADLP Rotational Assignments
Updates on NIST work in encryption

Third Post-quantum Cryptography: Standardization Conference
June 7-9

Lightweight Encryption

Credit: E. Edwards/JQI
Artificial Intelligence Updates

ADVISORY & WORKING GROUPS

- AI Federal Advisory Committee
  - Currently being established
- AI Resource Research Task Force
- AI Standards Coordination Working Group (AISCWG) under Interagency Committee for Standards Policy (ICSP)

REPORTS

- A Proposal for Identifying and Managing Bias in AI
  - NIST Special Publication 1270
- Artificial Intelligence and User Trust
  - NISTIR 8332
- ML for Access Control Policy Verification
  - Draft NISTIR 8360

WORKSHOPS

- Assessing and Improving AI Trustworthiness | NASEM
  - March 03 – 04
- Secure Government Data Sharing | NSF/NIST
  - May 21 & 26
- AI in Drug Development | FDA/NIST/DARPA
  - June 31 – July 01

NIST AI Measurement and Evaluation Workshop
June 15 - 17, 2021

Image Credit: N. Hanacek/NIST
2022
Celebrating 50 years
of Cybersecurity research at NIST
DISCUSSION