

Welcome and ITL Update

Information Security Privacy Advisory Board

Jim St Pierre

Acting Director, Information Technology Laboratory

Transition...





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



Transition Phase

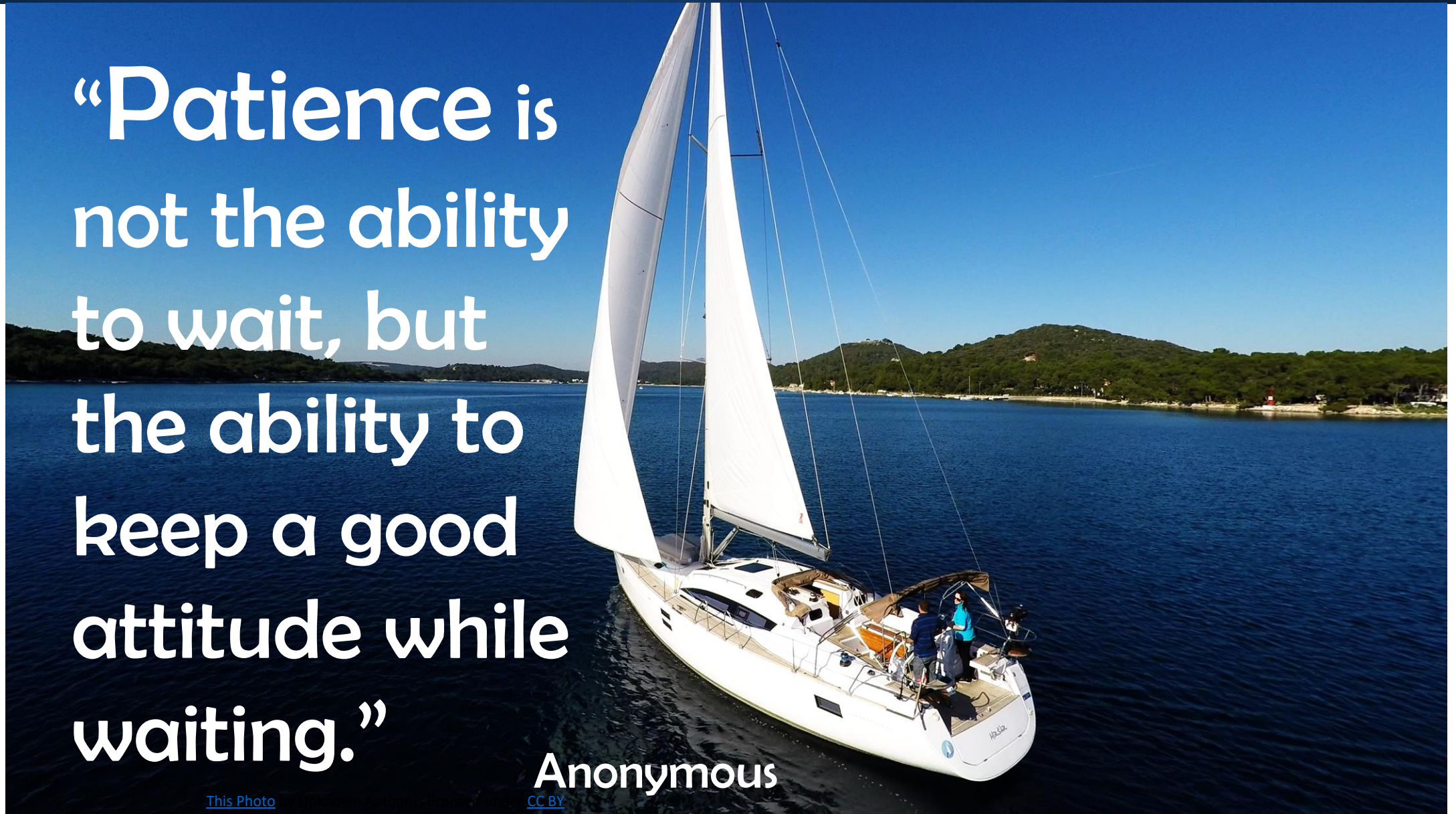
NIST

“Patience is not the ability to wait, but the ability to keep a good attitude while waiting.”

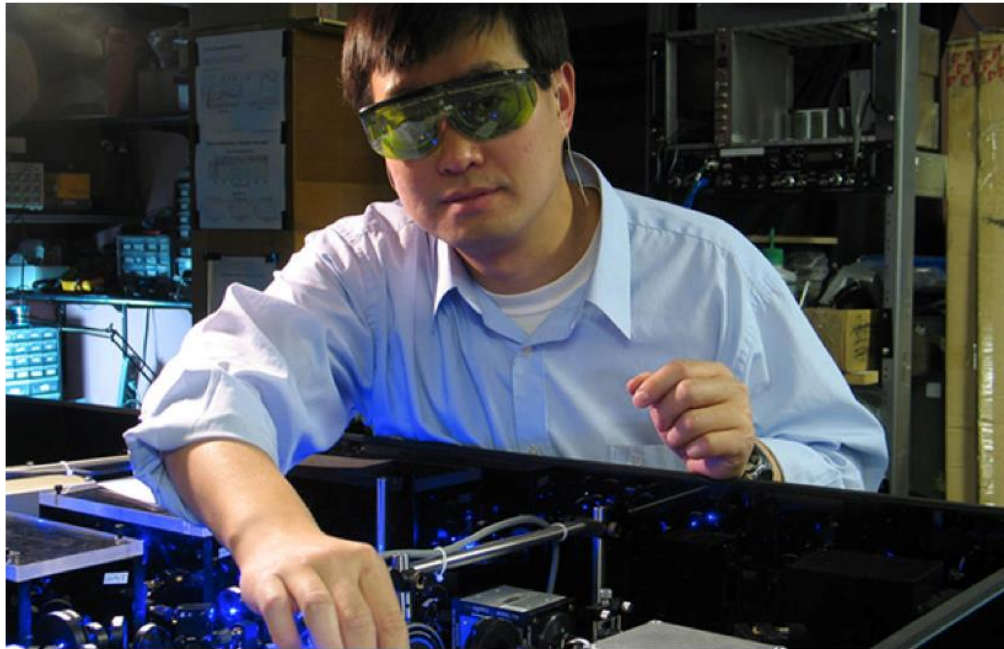
Anonymous

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Cultivating Trust in IT and Metrology



Budget Summary



	FY 2020 Enacted	FY 2020** CARES Act P.L. 116-136	FY 2021 Enacted	FY 2021** ARP Act P.L. 117-2	FY 2022 President's Request	+/- over FY 2021 Enacted
STRS	\$754.0	\$6.0	\$788.0	\$0.0	\$915.6	\$127.6
Laboratory Programs	655.8	6.0	687.1	0.0	806.0	118.9
Corporate Services	17.3	0.0	17.5	0.0	18.1	0.6
Stds Coord & Special Pgms *	80.9	0.0	83.4	0.0	91.5	8.1
ITS	\$162.0	\$60.0	\$166.5	\$150.0	\$441.7	\$275.2
Hollings Mfg Ext Partnership	146.0	50.0	150.0	0.0	275.0	125.0
Manufacturing USA	16.0	10.0	16.5	150.0	166.7	150.2
CRF	\$118.0	\$0.0	\$80.0	\$0.0	\$140.0	\$60.0
Construc & Major Renovations	43.0	0.0	6.1	0.0	0.0	(6.1)
Saf, Cap, Maint & Maj Repairs	75.0	0.0	73.9	0.0	140.0	66.1
Total, NIST Discretionary	1,034.0	66.0	1,034.5	150.0	1,497.3	462.8

* 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



Executive Order 14028 (May 12) Improving the Nation's Cybersecurity

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



Executive Order 14017 (Feb 24) America's Supply Chains

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

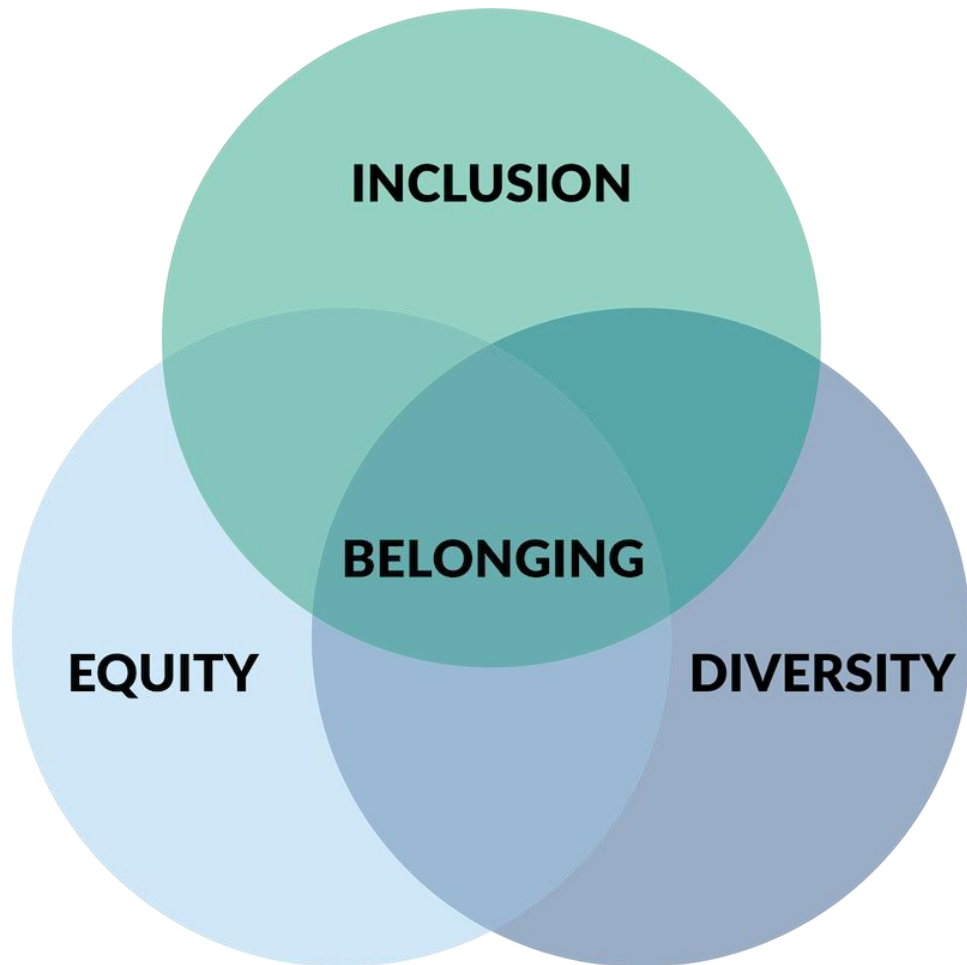
- Identify risks in semiconductor manufacturing and advanced packaging supply chains
- Report on supply chains for critical sectors and subsectors of ICT industrial base
- Partner with federal agencies and private stakeholders to ID and map critical supply chains



Executive Order 14005 (Jan 25) Ensuring the Future Is Made in All of America by All of America's Workers

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's New Director of DEI

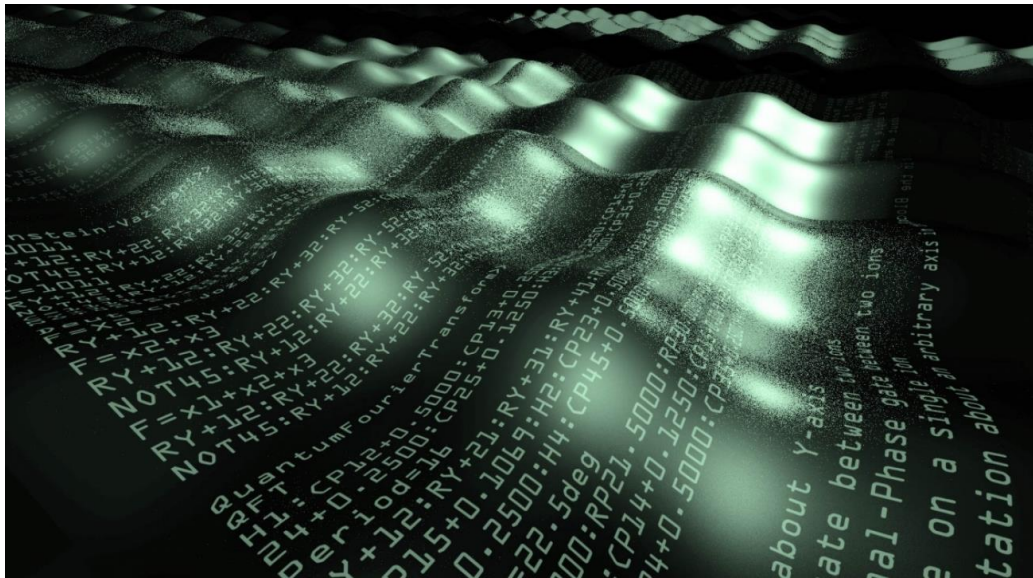


Findings and Recommendations from Data-Driven Studies: COACH Study of STEM Promotion

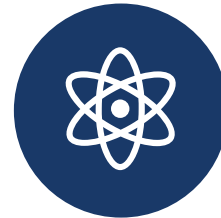


Findings and Recommendations from Data-Driven Studies: ADLP Rotational Assignments

Updates on NIST work in encryption



Credit: E. Edwards/JQI



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



Lightweight Encryption
The Fourth Lightweight Cryptography
Workshop (virtual) on October 19-21,
2020.

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





2022
***Celebrating 50 years
of Cybersecurity research at NIST***

DISCUSSION

