

# NATIONAL CYBER MOONSHOT

## IMPACT and OPPORTUNITIES

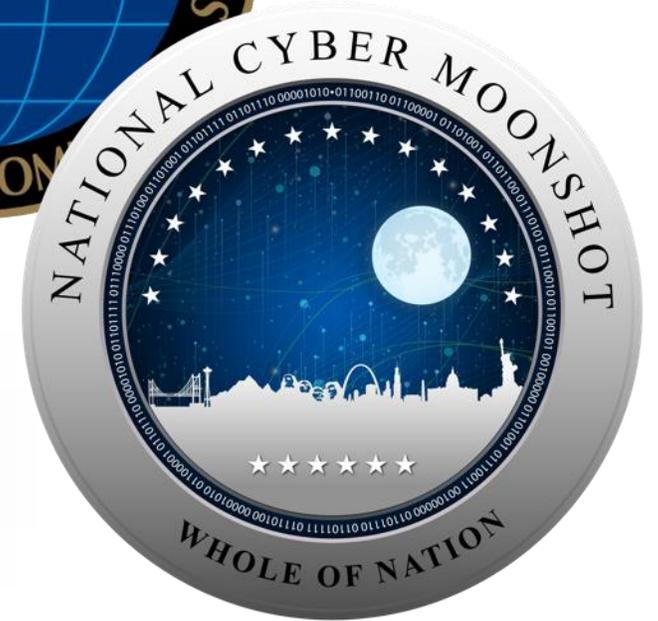
for

# Counties



March 3, 2020  
NACo Legislative Conference  
Washington DC

Tom Patterson  
Chief Trust Officer,  
Unisys  
[unisys.com/patterson](https://unisys.com/patterson)



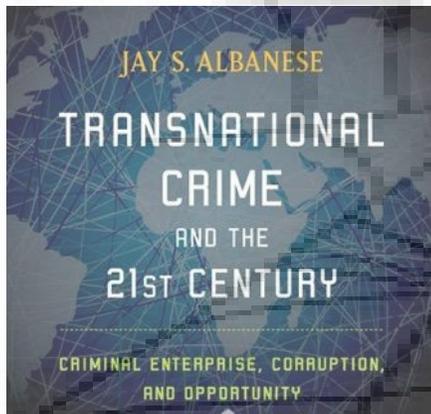
# Tom Patterson

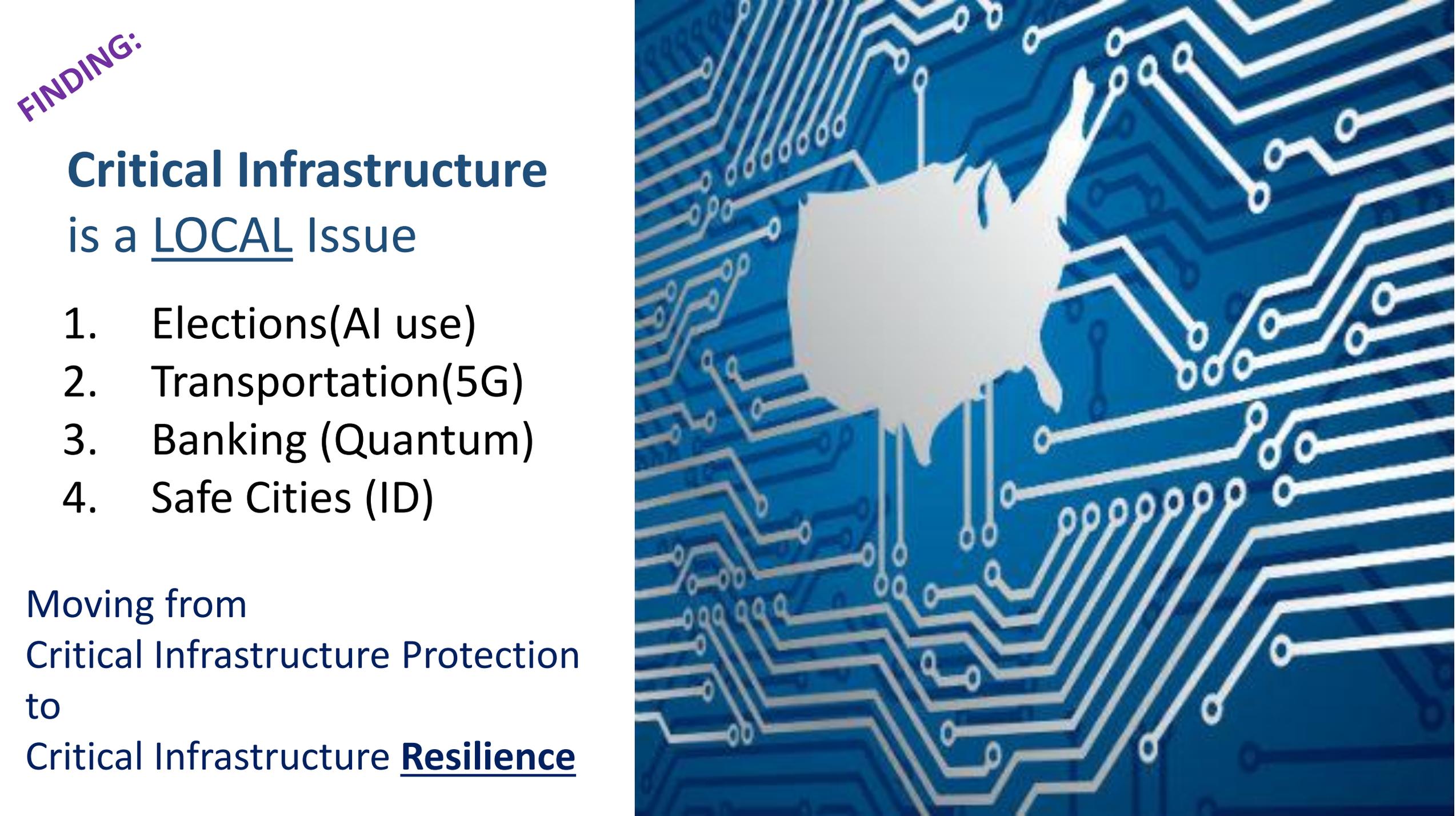
Chief Trust Officer

**UNISYS** | Securing Your Tomorrow®

FINDING:

# CYBER THREATS ARE REAL





**FINDING:**

## **Critical Infrastructure is a LOCAL Issue**

1. Elections(AI use)
2. Transportation(5G)
3. Banking (Quantum)
4. Safe Cities (ID)

Moving from  
Critical Infrastructure Protection  
to  
Critical Infrastructure **Resilience**

FINDING:

# LIFELINE SERVICES RELY ON TECHNOLOGY

Adversaries have  
YOUR  BUTTON,  
not you.



IT/OT

**Securing  
our  
Internet of  
Things  
and our  
Industrial  
Control  
Systems**



# TODAY'S CONSUMER ISSUES

YET  
PEOPLE/GOVS  
STILL  
BUY

# Insecure Products



FINDING:

# THE BASICS Must Be Done!

## Practical Advice

Things Every Person, Place, and Thing Should Do

(Learn more by clicking on each icon)



**PATCH**

Obsessively



**SEGMENT**

Religiously



**THREAT**

Intelligence



**EVALUATE**

Insiders



**EDUCATE**

Constantly



**AUTOMATE**

Defenses



**RESPOND**

Elegantly



**PUBLIC /**

Private



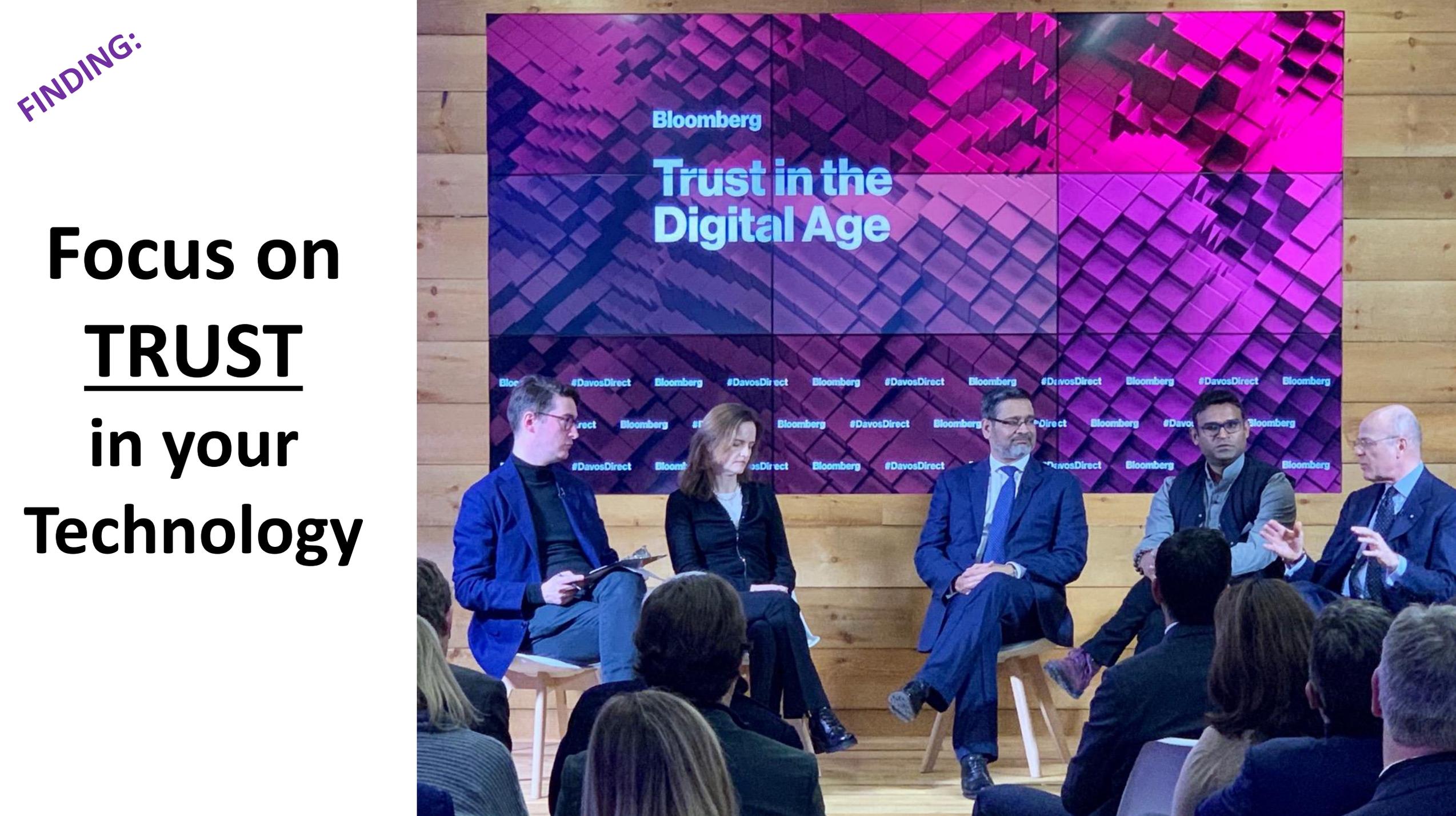
**ELEVATE**

Discussion



**EXTENDED**

Enterprise



FINDING:

Focus on  
**TRUST**  
in your  
Technology



FINDING:

**RESILIENCE**

Should

Replace

**Security**

as your GOAL.

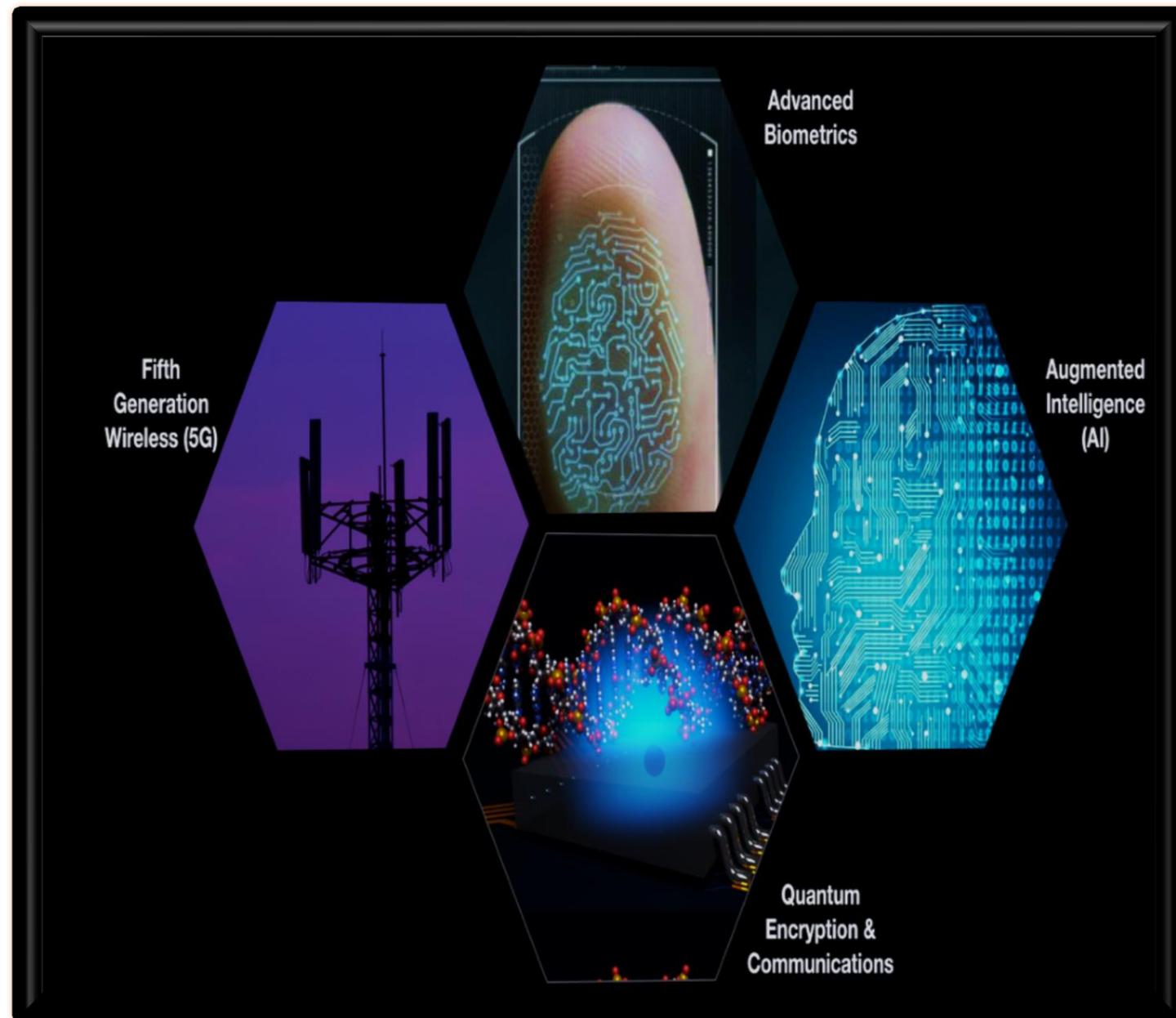
**CYBER  
RESILIENCE.**



FINDING:

# 4IR

FOURTH  
INDUSTRIAL  
REVOLUTION  
will  
RESHAPE  
OUR REALITY



**Change  
is  
Coming**

# Change is Coming

## Adversaries have or will soon have:

1. Ability to intercept and decrypt all traffic.
2. Ability to retrain our AI against us.
3. Ability to disrupt/takeover real time communications
4. Ability to inject doubt into systems that require certainty
5. Ability to masquerade as anyone, anywhere.



**Created in 1982  
by Ronald Reagan**



**Advise the President  
on cybersecurity**



**20 member companies**



**Rotating  
chair memberships**



## Our Goal:

***“Make the Internet Safe and Secure for the functioning of Government and critical services for the American people by 2028.”*** *November 2018*

***INFO@NationalCyberMoonshot.org***



# Whole-of-Government

Leadership  
Mission Focus  
Investment  
Coordination

## EXISTING INPUTS

- **Funding**
- **Technologies**
- **Policies**
- **Initiatives**

EARLY/SHORT  
TERM  
BENEFITS

# Safe and Secure Whole-of-Nation

## EXPECTED OUTCOME

- **Economic Growth**
- **National Security**
- **Enhanced Privacy**
- **Tech Advances**
- **Global Leadership**

# Whole-of-Industry/Academia

Leadership  
Mission Focus  
Research  
Technologies  
Execution  
Innovation



**TECHNOLOGY:**  
QUANTUM,  
AI, 5G & BIOMETRICS  
ARE BOTH CHALLENGES  
& OPPORTUNITIES

**BEHAVIOR:** BUY IN  
FROM CITIZENS,  
ORGANIZATIONS,  
AND  
EMPLOYEES

**EDUCATION:**  
GAPS IN FOCUS  
& RESEARCH.  
SKILLS GAP

**POLICY:**  
GUIDELINES,  
LAWS, NORMS ETC.  
NEED INTEGRATION  
& ACTION

**PRIVACY:**  
MUST  
FOSTER TRUST  
& ADDRESS  
NEW  
TECHNOLOGIES

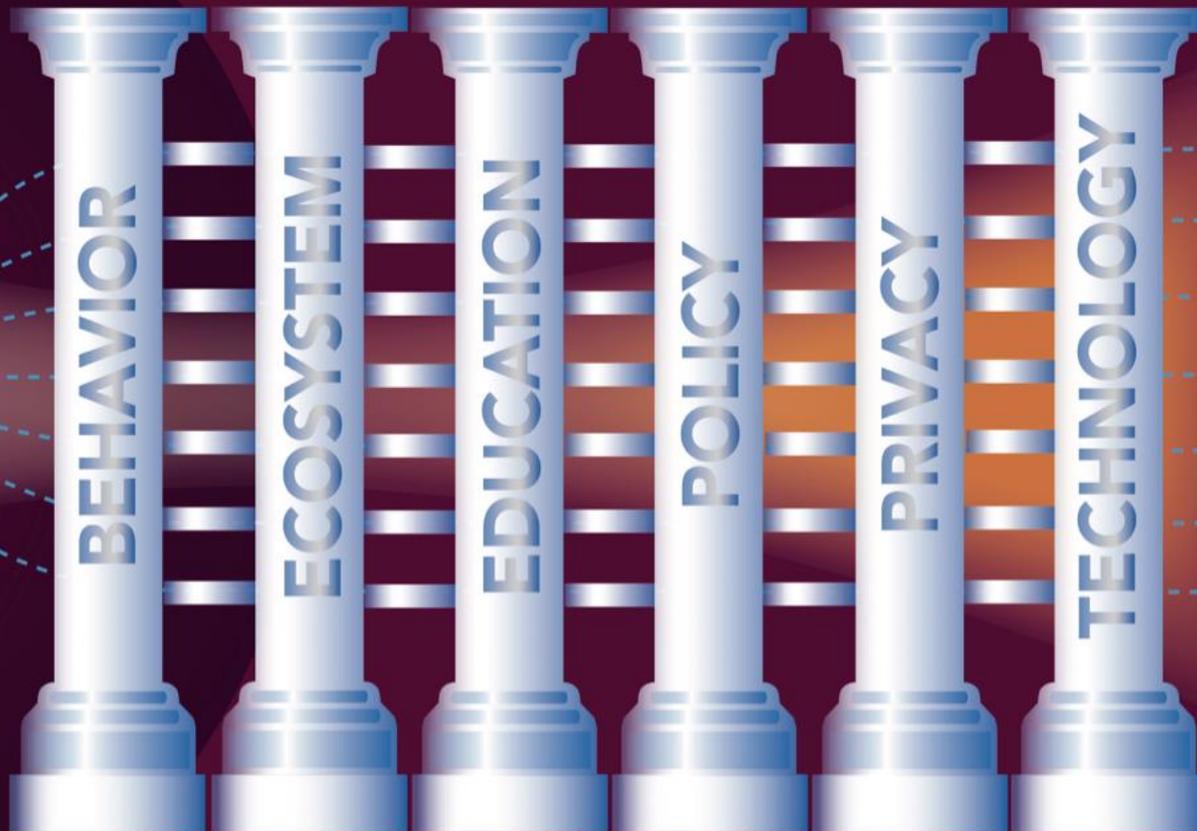
**ECOSYSTEM:**  
MANY  
FRAGMENTED  
SOLUTIONS

**MOONSHOT:  
GOVERNMENT**

**WHOLE-  
OF-NATION  
EFFORT**

**MOONSHOT:  
INDUSTRY/  
ACADEMIA**

# Safe and Secure Internet



**BENEFITS**  
Economic Growth - National Security- Enhanced Privacy  
Tech Advances - Global Leadership

FINDING:



Technology



Behavior



Education



Ecosystem



Privacy



Policy

# Actioning the National Cyber Moonshot



NationalCyberMoonshot.org

## GRAND CHALLENGES

**1<sup>st</sup> Change the Economics of Cybersecurity**

**2<sup>nd</sup> Educate ALL Americans to cyber-safety levels**



# Actioning the National Cyber Moonshot -- WORKSHOPS



NationalCyberMoonshot.org



# Actioning the National Cyber Moonshot - Next Up!



[NationalCyberMoonshot.org](http://NationalCyberMoonshot.org)



**EDUCATION WORKSHOP**  
**MAY 4, 5 2020**

**FINDING:**



**CISA**  
CYBER+INFRASTRUCTURE

**Ramping Up for Defense.  
Has support of White House  
and Congress to Lead**

# What Can You Change Starting Now?

- **Prioritize Security and Privacy in your 5G rollouts**
- **Prioritize Privacy in your Safe Cities programs**
- **Have a Voice in the Moonshot Pillar programs (esp Policy)**
- **Improve Cyber Education Locally**
- **Shift Operational and Legislative focus toward Resilience**



# ***THANK YOU***

## ***ASK ME ANYTHING***

**CONTACT ME:**

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[WWW.UNISYS.COM/PATTERSON](http://WWW.UNISYS.COM/PATTERSON)



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[\*\*INFO@NationalCyberMoonshot.org\*\*](mailto:INFO@NationalCyberMoonshot.org)

FUNNY:

A Top Local Story on the second day of WEF was of Russian Spies caught dressed as plumbers in one of the secure hotels.



## Spies in Davos? Russian diplomat pretended to be a tinsmith

For Vladimir Putin's spies, the World Economic Forum probably started in the summer.

