

NATIONAL CYBER MOONSHOT

IMPACT and OPPORTUNITIES

for

Counties



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NACo Legislative Conference
Washington DC

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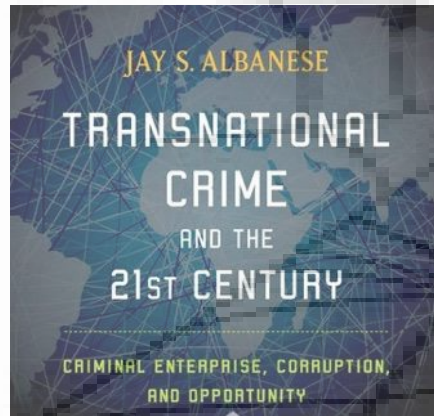
Tom Patterson

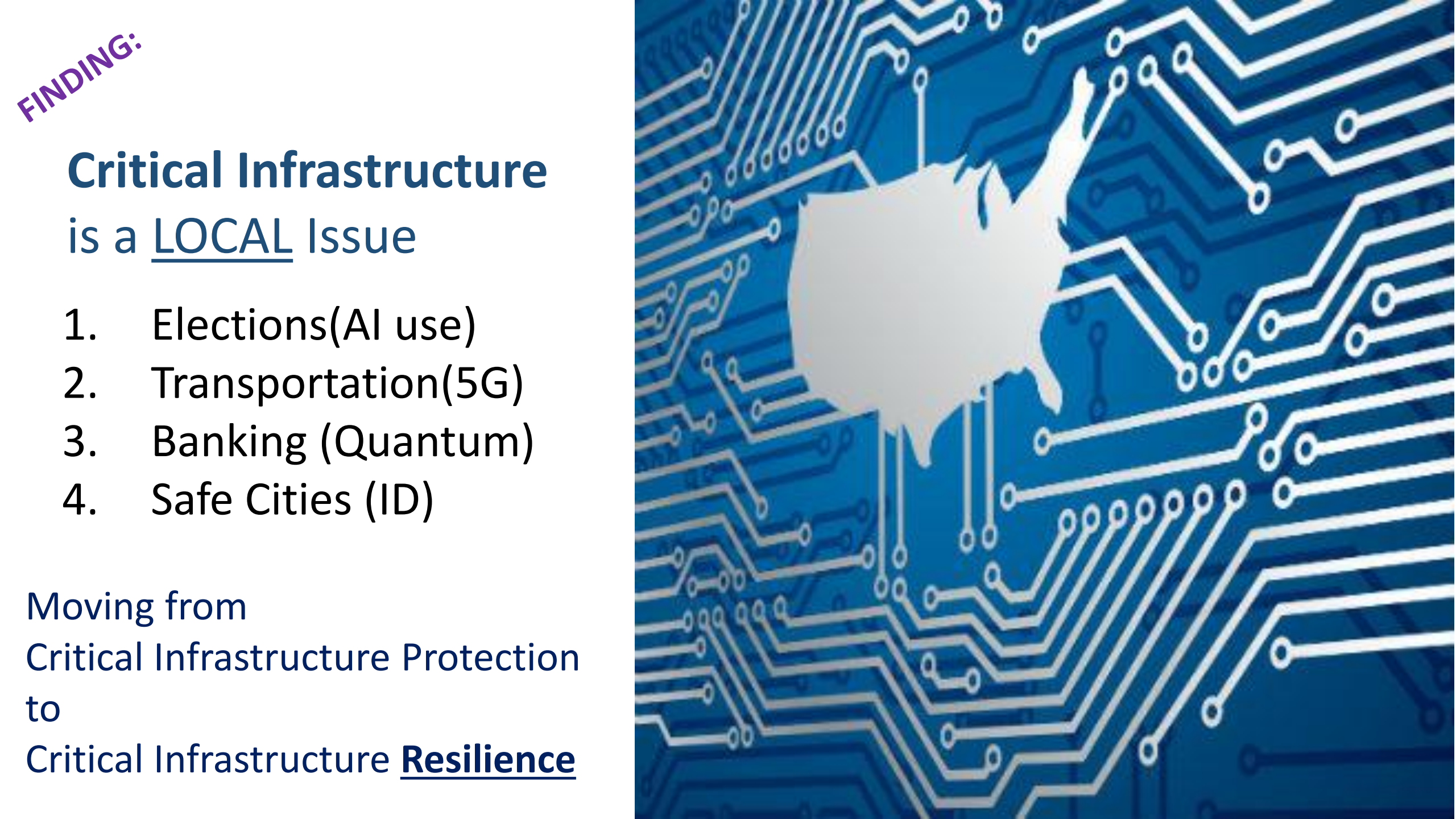
Chief Trust Officer

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:

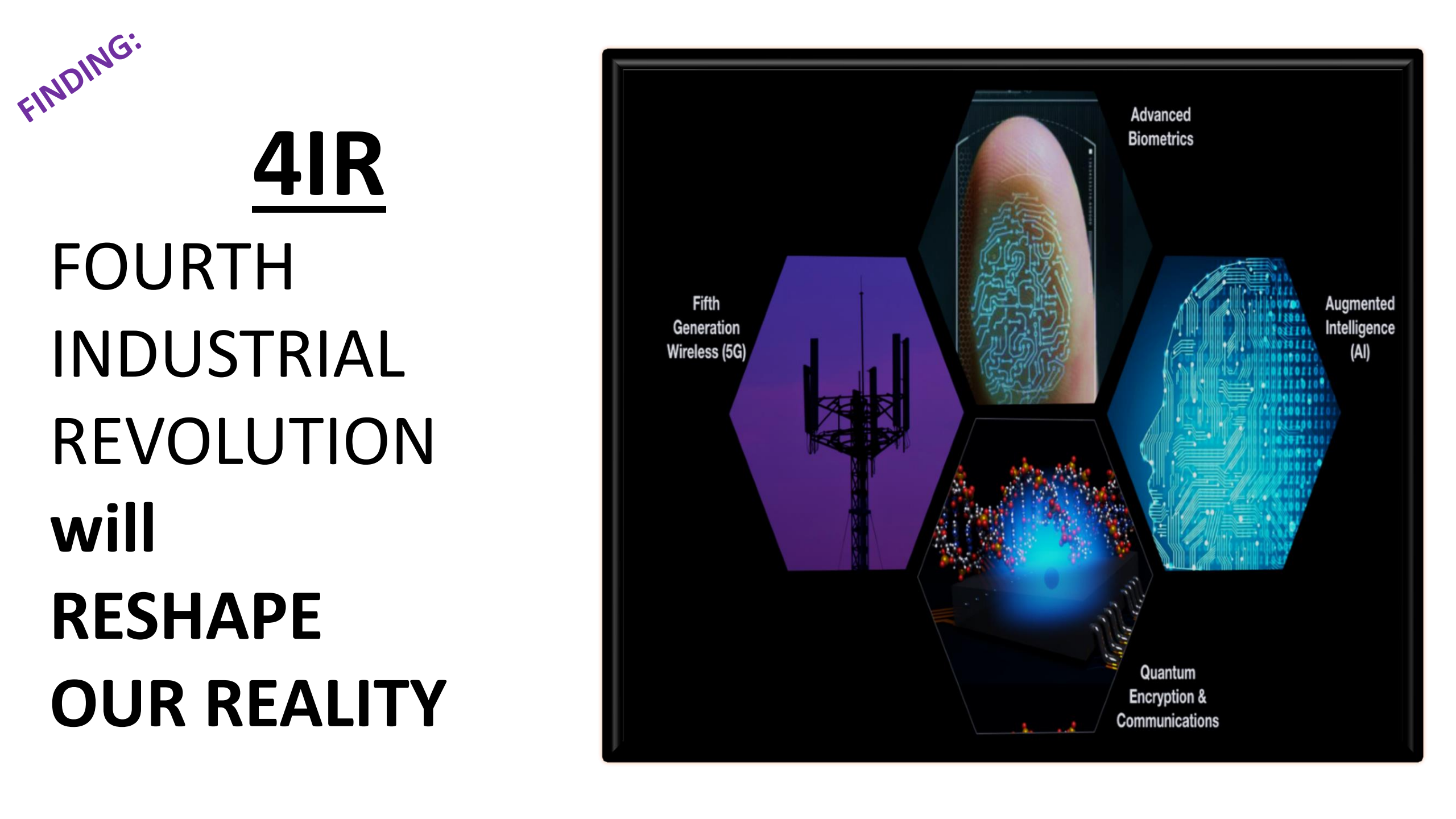
RESILIENCE

Should

Replace

Security

as your GOAL.



**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

ECOSYSTEM:
MANY
FRAGMENTED
SOLUTIONS

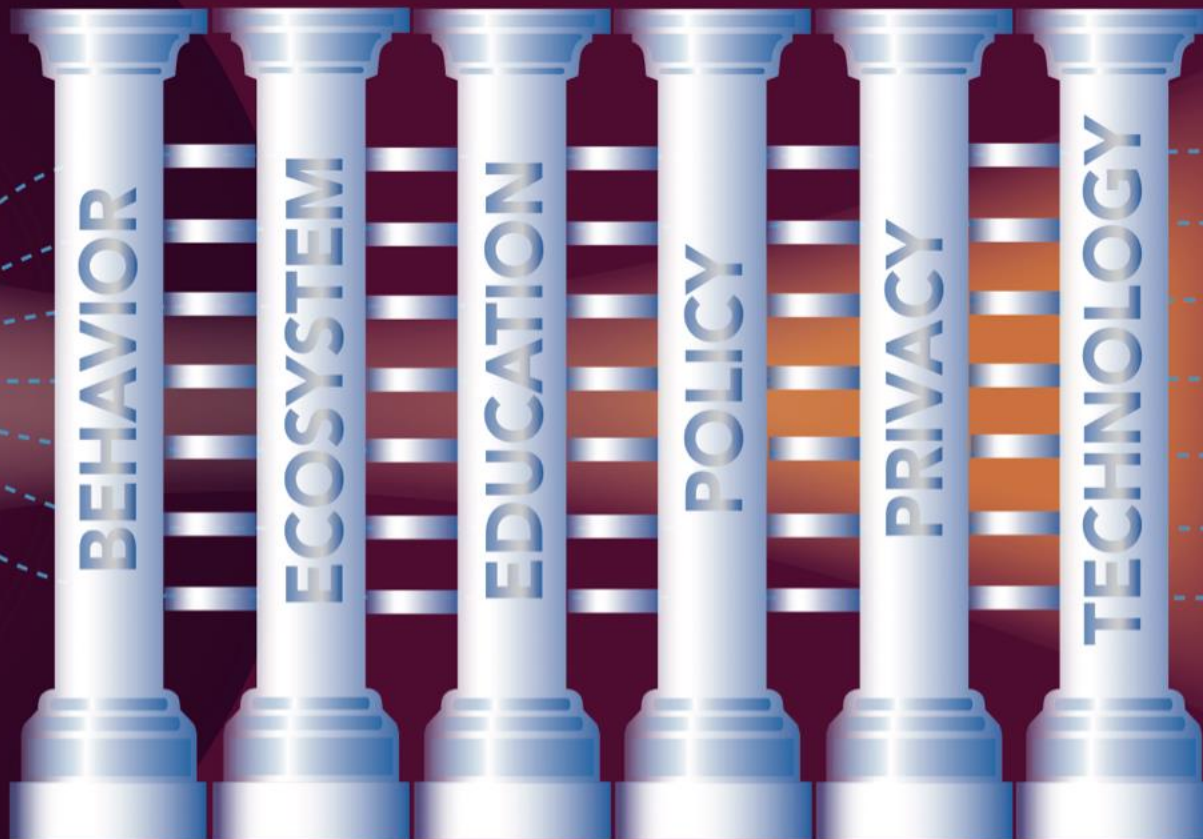
PRIVACY:
MUST
FOSTER TRUST
& ADDRESS
NEW
TECHNOLOGIES

**MOONSHOT:
GOVERNMENT**

**WHOLE-
OF-NATION
EFFORT**

**MOONSHOT:
INDUSTRY/
ACADEMIA**

Safe and Secure Internet



BENEFITS

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



Actioning the National Cyber Moonshot



NationalCyberMoonshot.org

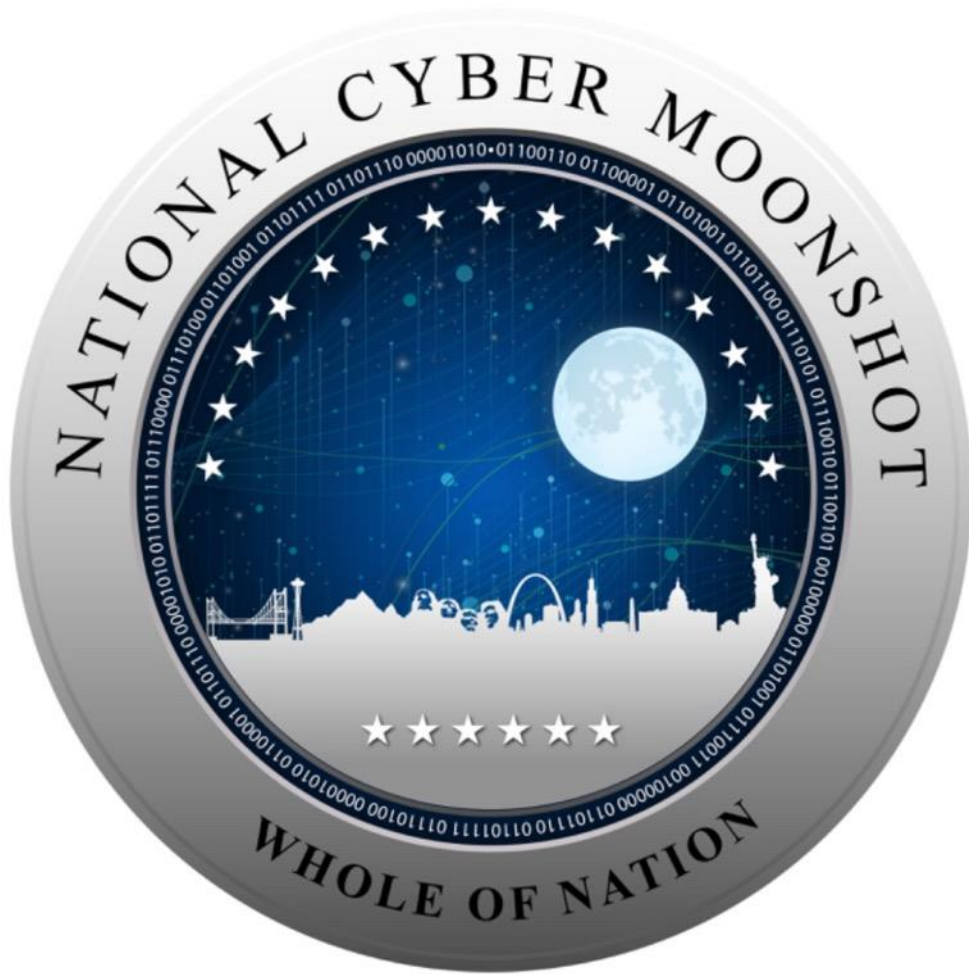
GRAND CHALLENGES

1st Change the Economics of Cybersecurity

2nd Educate ALL Americans to cyber-safety levels



Actioning the National Cyber Moonshot -- WORKSHOPS



NationalCyberMoonshot.org



Actioning the National Cyber Moonshot - Next Up!



NationalCyberMoonshot.org





FINDING:



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

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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.

