

Impact Futures: Anticipating Post- Pandemic Risks on National Security

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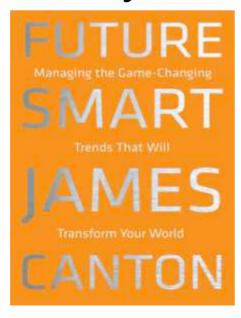


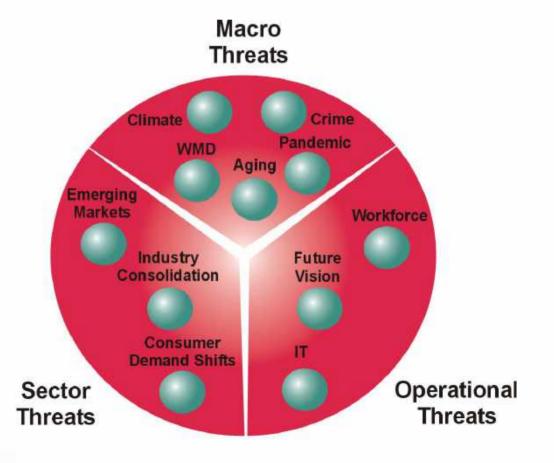
## Institute for Global Futures



- Founded 1990
- Think Tank
- Advise Fortune 1000
- Advise government
- S&T futures, security, finance







### Clients





# SONY





































# **Key Themes**

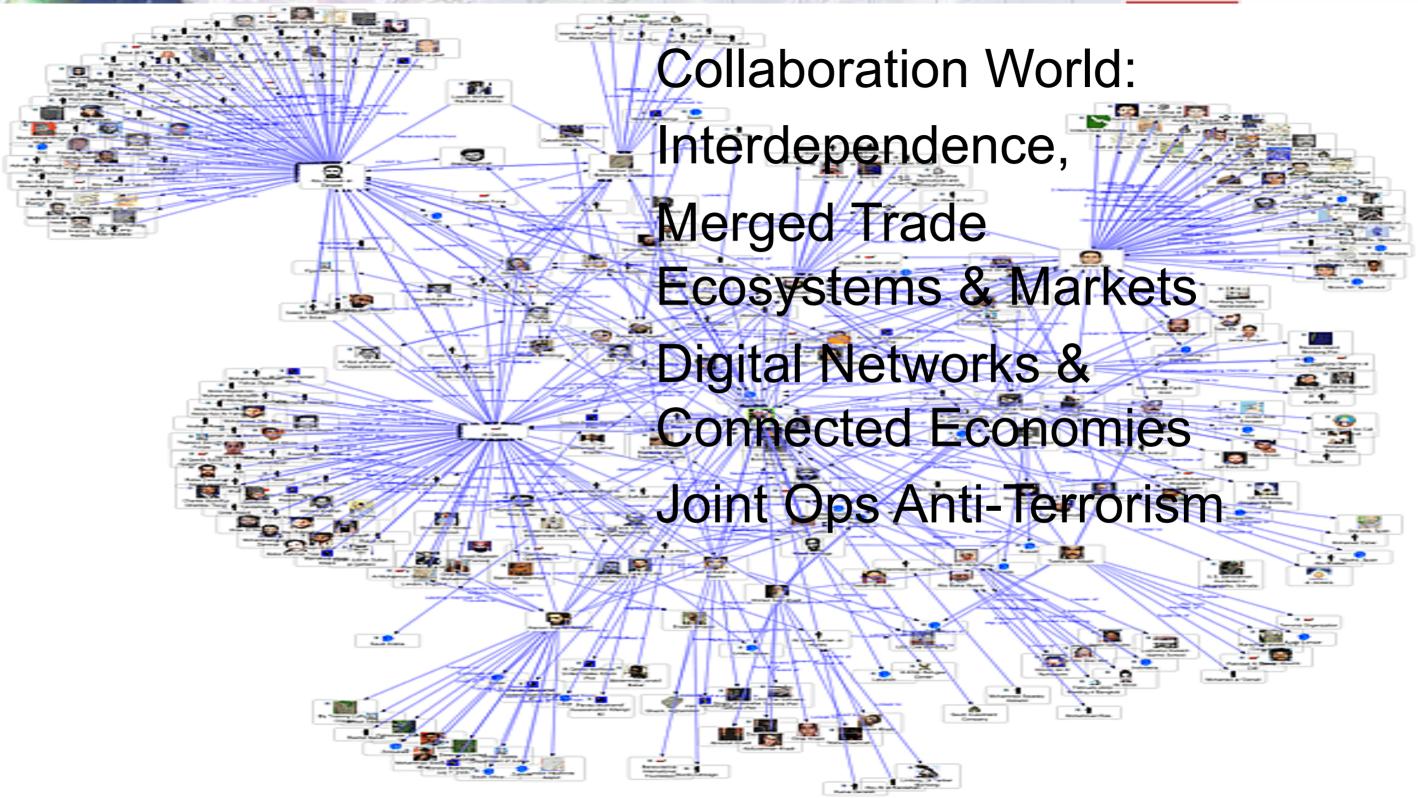


- Pandemic Geopolitical Risk Landscape
- Financial System Reality Check
- Accelerate US S&T Innovation
- Develop Biosecurity Playbook and Strategic Plan for Next Time









# Global Security Impact Futures

- Social dissent in EU after G7, WHO, World Bank drop ball
- EU decline, EU Union fragmented
- Failing states in dev world—Africa spawning immigration crisis into EU
- Failing economies
- Russia Arctic and EU domination
- Terrorism/Bad actors rising
- Global debt over \$10 Trillion
- Rise of Anti-Globalization
- Ideological War—Democracy versus Autocracy

# **US National Security Impact Futures**

- Biosecurity Readiness & National Security
- Econ Volatility 12-36 month uncertainty economic recovery from endpoint
- Negative Wealth Effect
- Low Consumer Confidence/\$4-7 Trillion Debt
- Exploitation China/Russia/Saudi bad actors
- Increased BKs & Unemployment

# **US National Security Impact Futures**

- Surging Non-Kinetic conflicts--Cyber and IW
- Anti-Globalization, Democracy vs Autocratic
- Asset Crashes—real estate, markets,
- Risk Convergence-climate, econ, jobs, dollar
- Supply chain reorganization
- Accelerated S&T Investment to Counter China
- Military Post-Industrial Complex Challenges



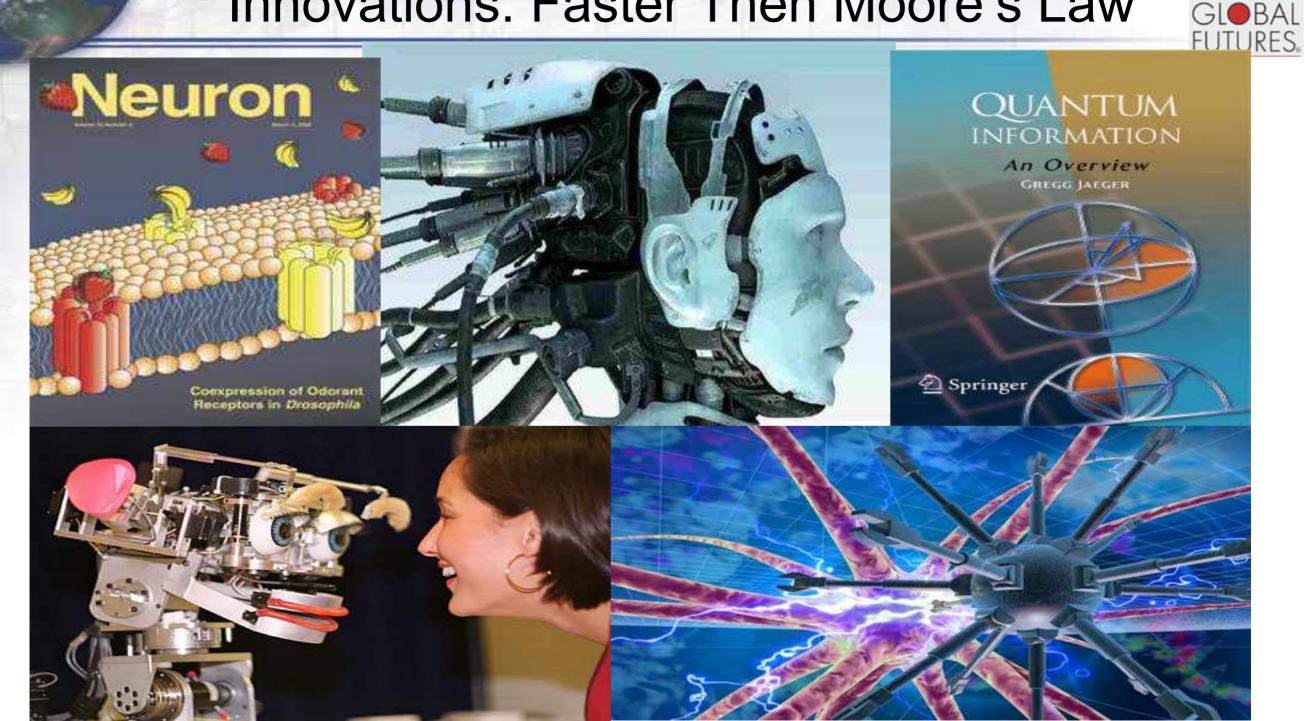
# China Impact: Exploits Pandemic Strategy

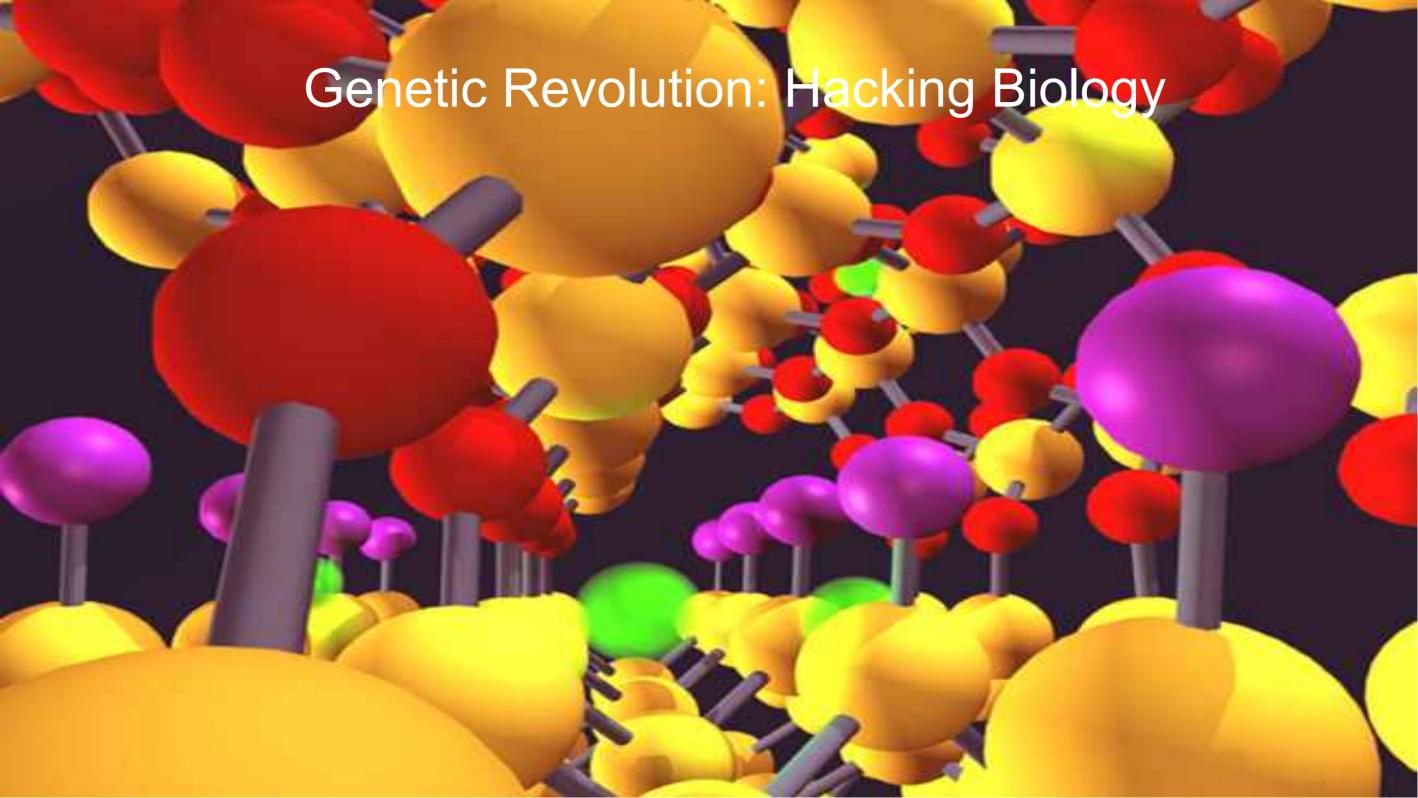
- China/Russia max disruption ops-EU
- Neo-Tech Mercantilism
- Global Tech/Econ Domination—AI, Big Data, 5G, Belt & Road refresh
- Longer range objectives use Pandemic to rewrite Bretton Woods—Replace US dollar

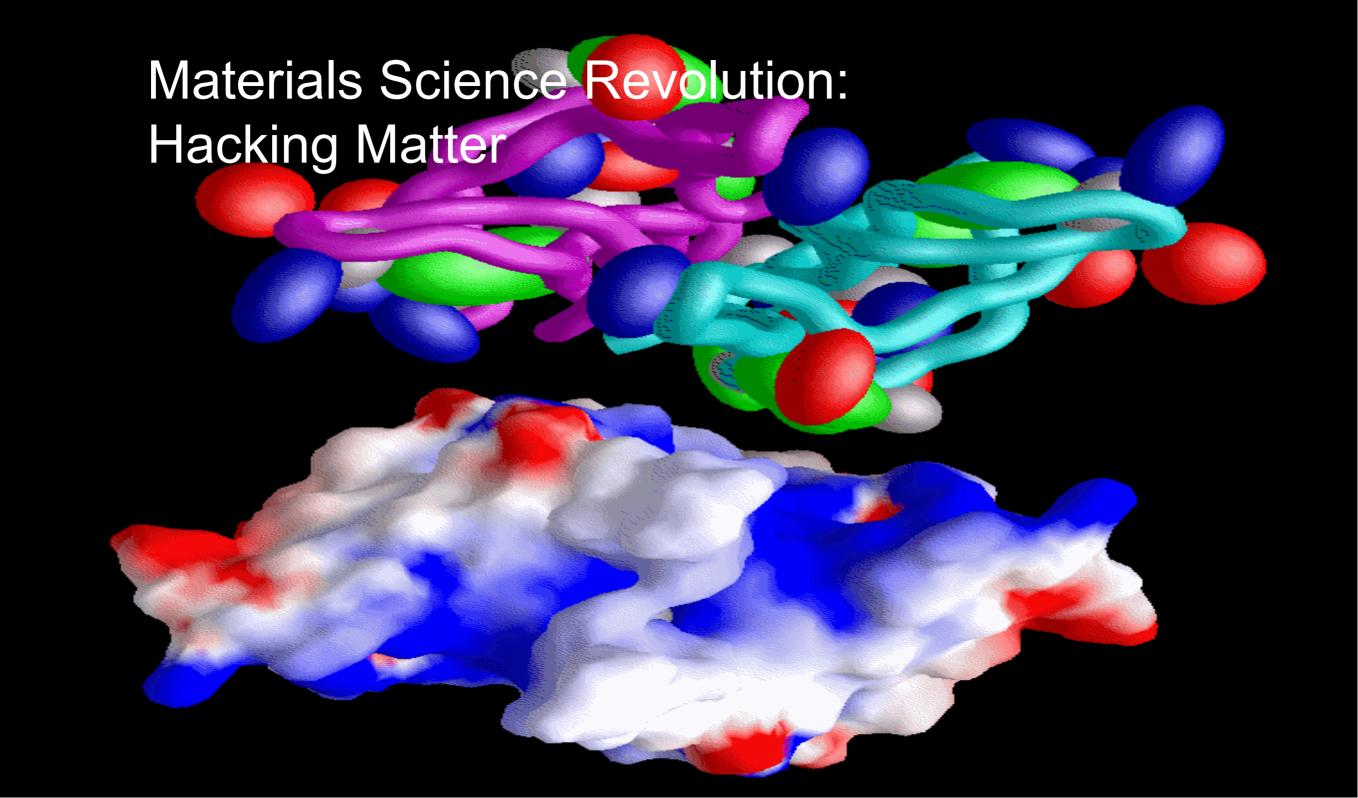




#### Innovations: Faster Then Moore's Law









# Cognitive Prediction--Al/Big Data Will Shape ALL Future Conflicts







#### Info Technology

Quantum Infosystems & Bio-inspired entities

NBICQ Threats Game Changers 25 Years

#### Extreme Predatory Mass Synthetic Possible Disruption Sentience Targeted Disruption Hyper Virulent Destructive Alife Catastrophic Destructive Chaos Quantum Info Systems Panic Critical Disorder

Probable

Targeted nterference

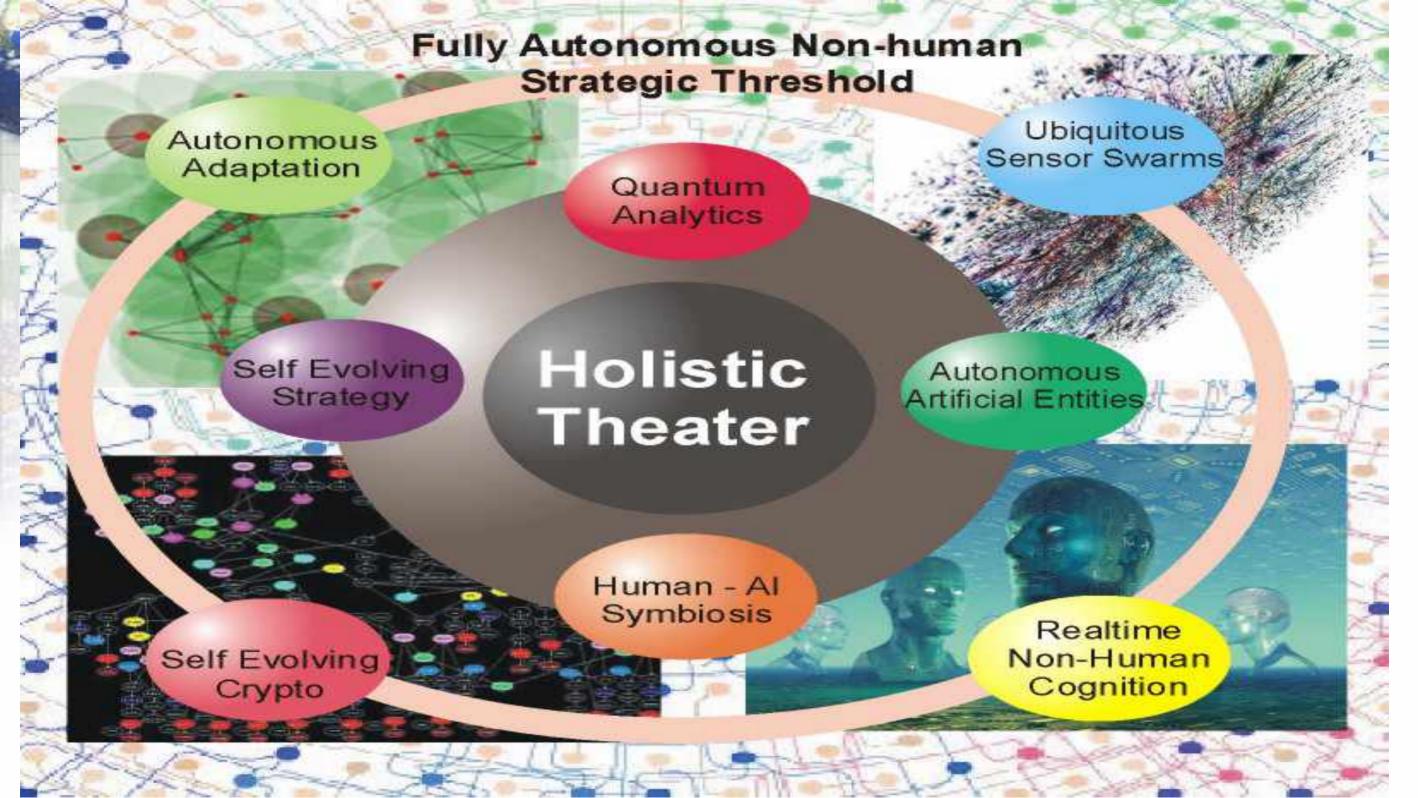
Mission

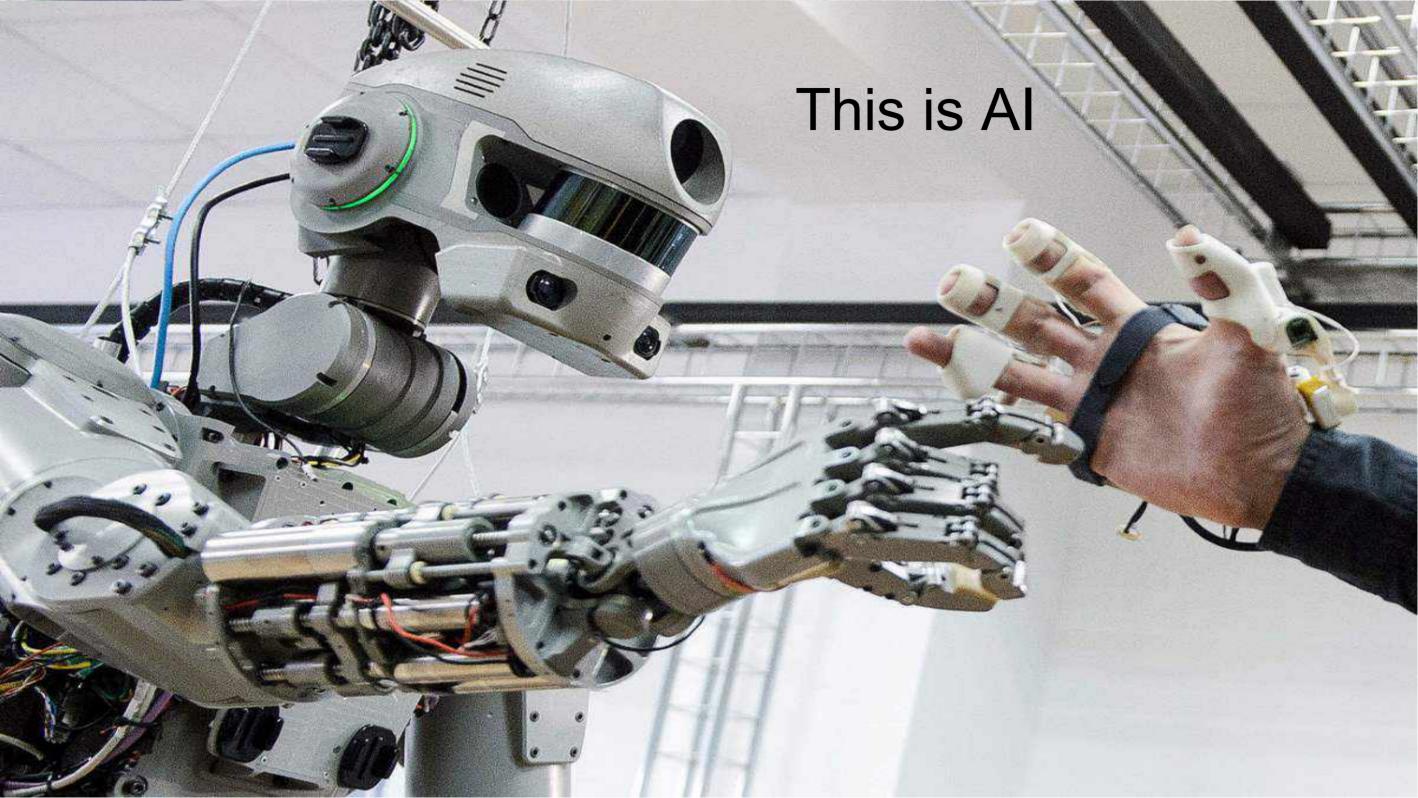
Dis-Information

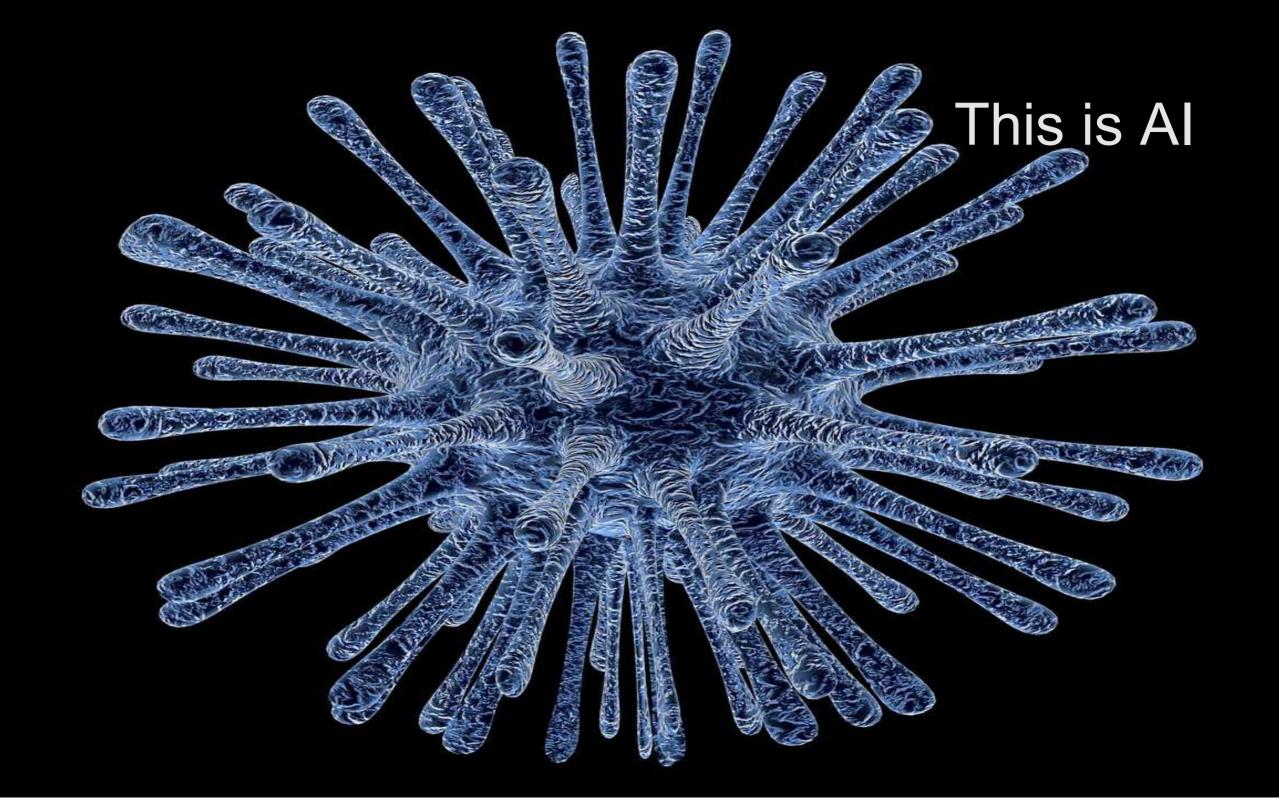
Scale

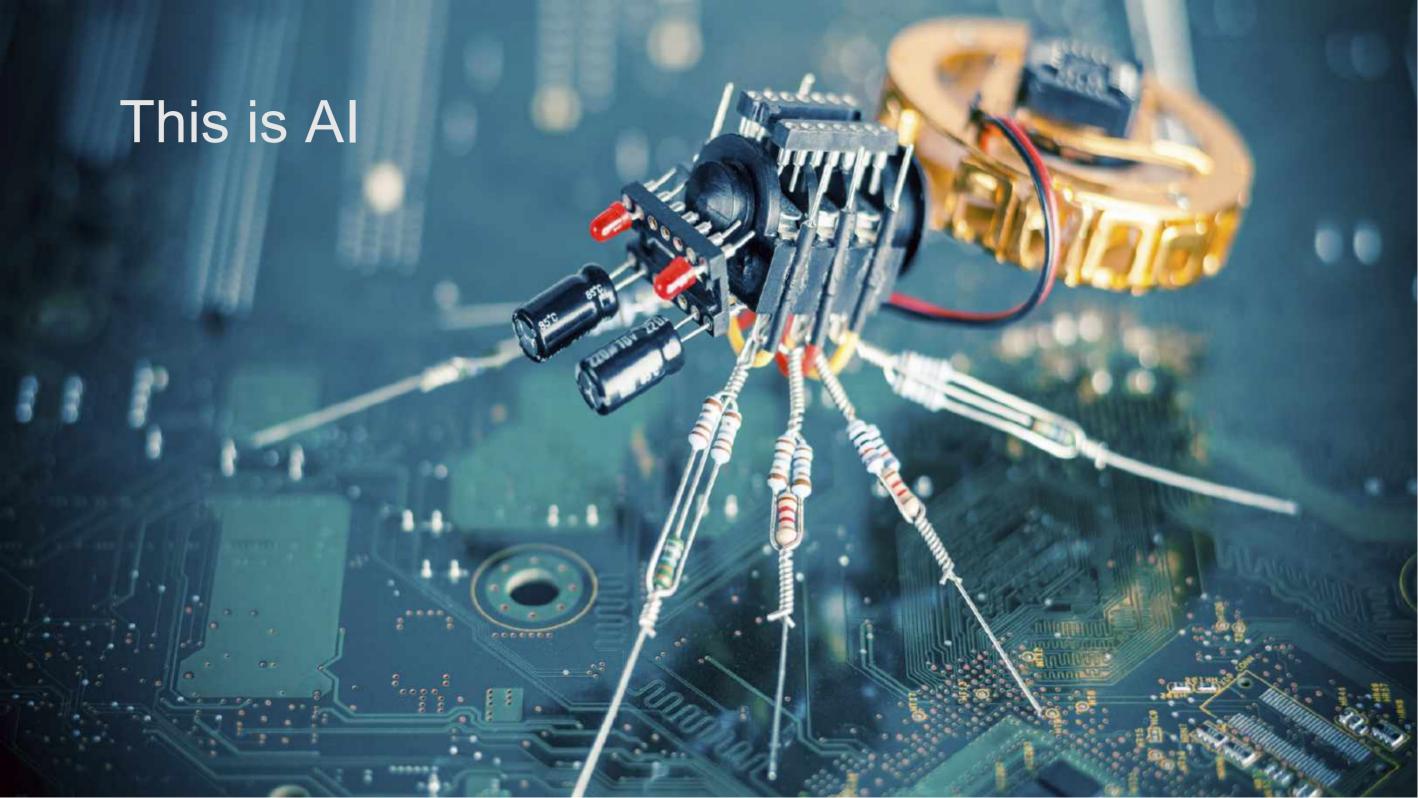
Confusion

**Effect** 



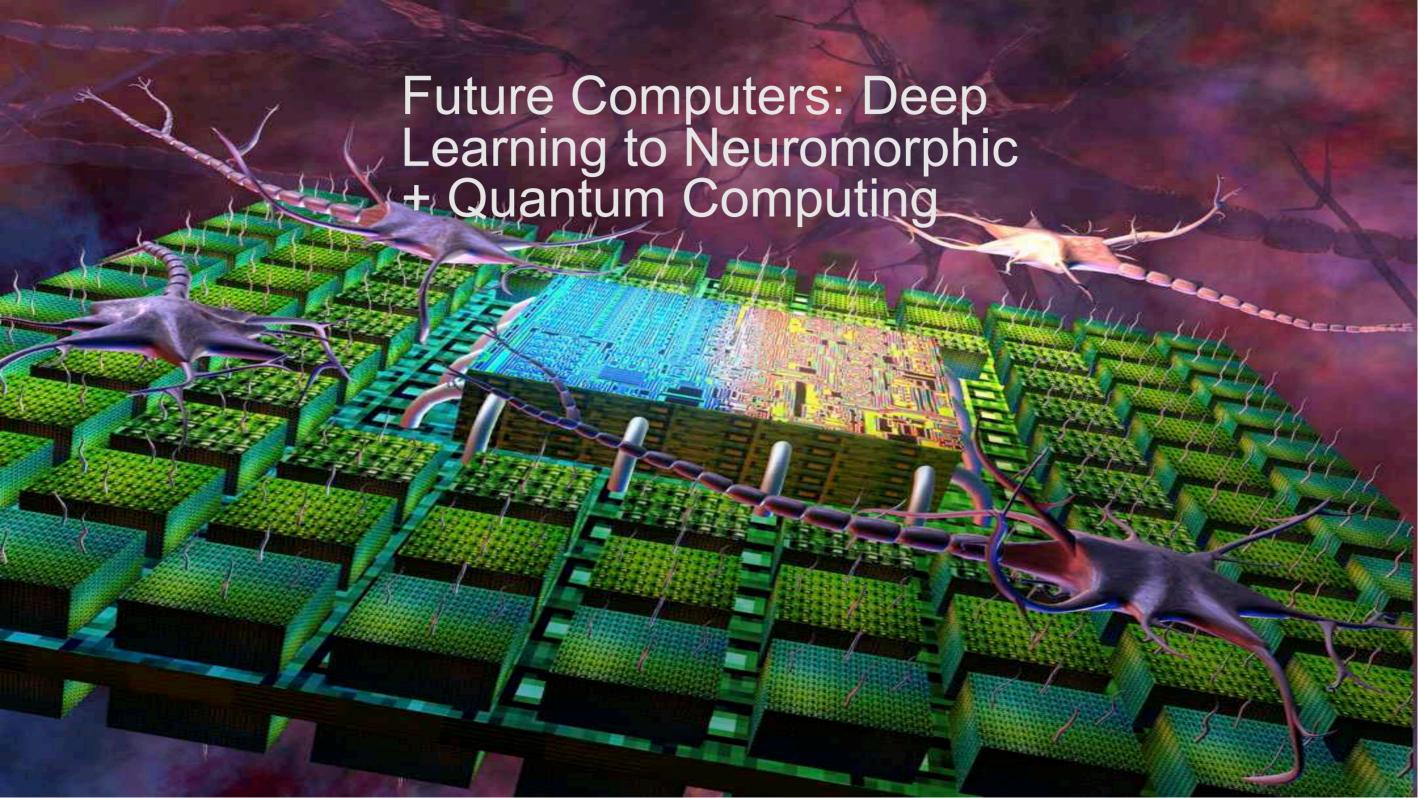














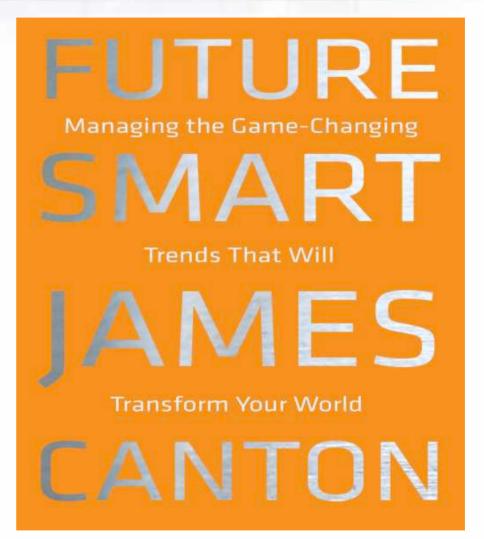
#### Summary

- Develop US Biosecurity Plan—early warning predictive analytics/sensing networks to anticipate disruptions
- Expand the National Security posture post-Covid-19 to include socio-economic, geopolitical and biosecurity risks/offsets
- Define Non-Kinetic conflict zones
- Hardening of critical crisis-ready infrastructure: internet, biosecurity, telecom, health care, monetary, supply chains

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#### **Thank You**



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