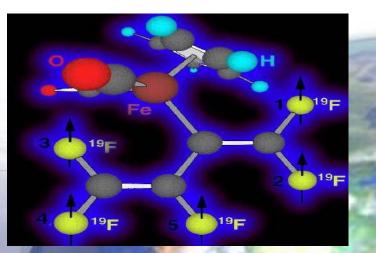
# GLOBAL

#### The Extreme Future: Top Trends Shape the 21<sup>st</sup> Century

Dr. James Canton CEO & Chairman GlobalFuturist.com





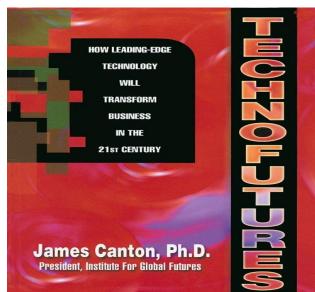
#### **Institute for Global Futures**

#### **Global Think Tank**

- Advise Fortune 1000
- Futures Strategy









#### Worldwide Clients

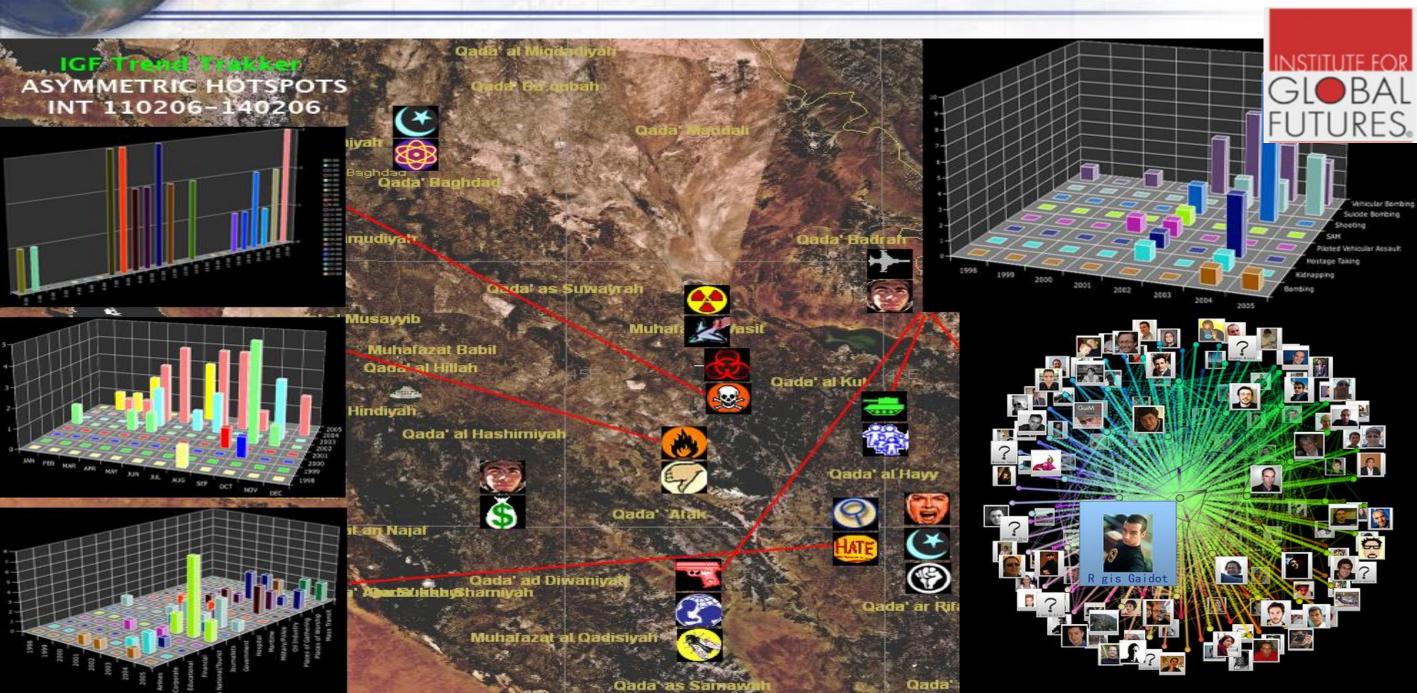




#### Institute for Global Futures



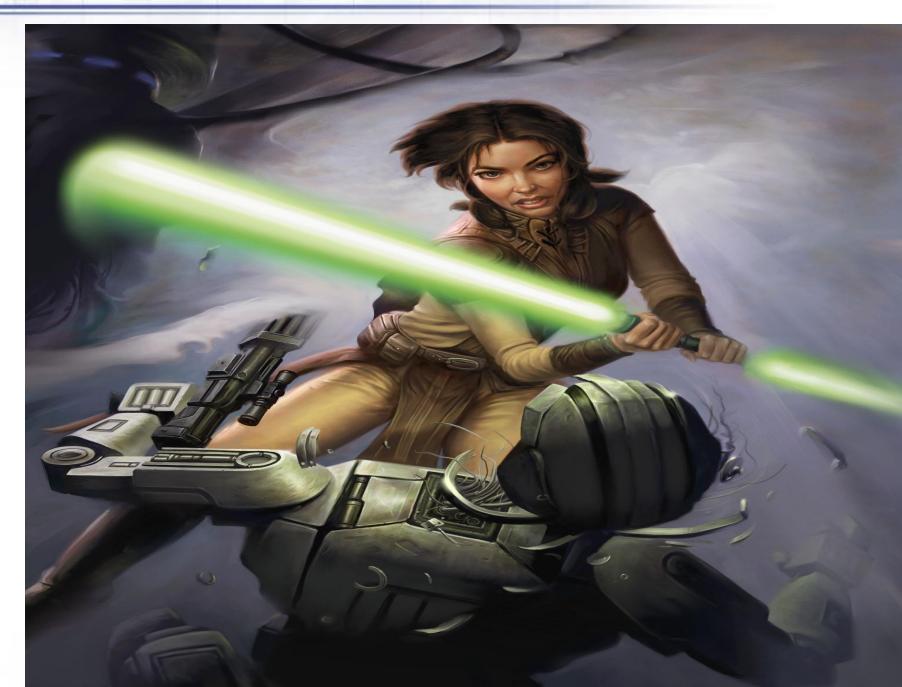
#### **Trend Trakker: Predictive Forecasting**



#### **Key Themes**



Future MegaTrends
Emerging tech
Innovating smarter
FinTech customers



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Extreme Future: Accelerated Change Risk & Opportunities

58.0 16 44

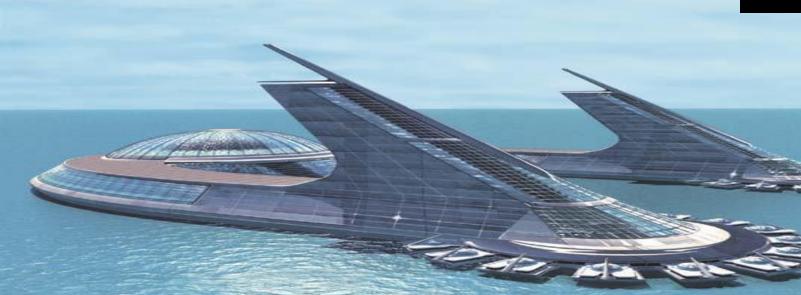
75HEX

TP:

#### Are You Future Ready?











#### Global Megatrends



#### Market Place of the Future

Innovation driven

Globalization

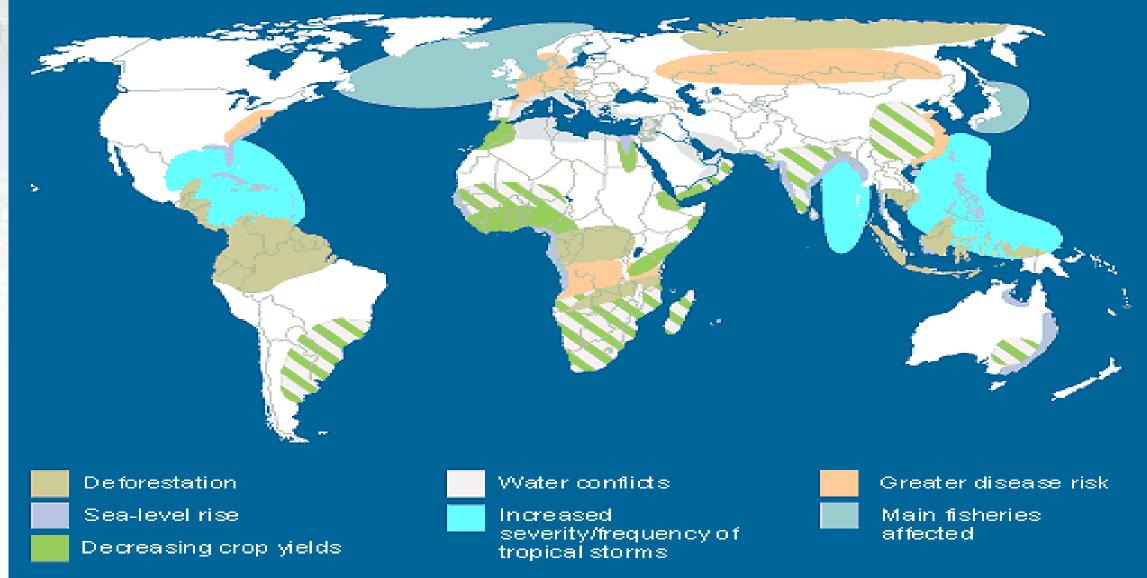
Real-Time Digital
Hyper-Competitive
Fast Change

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#### **Challenge: Sustainable Future**

#### The world in the 2050s Assuming 'business as usual'

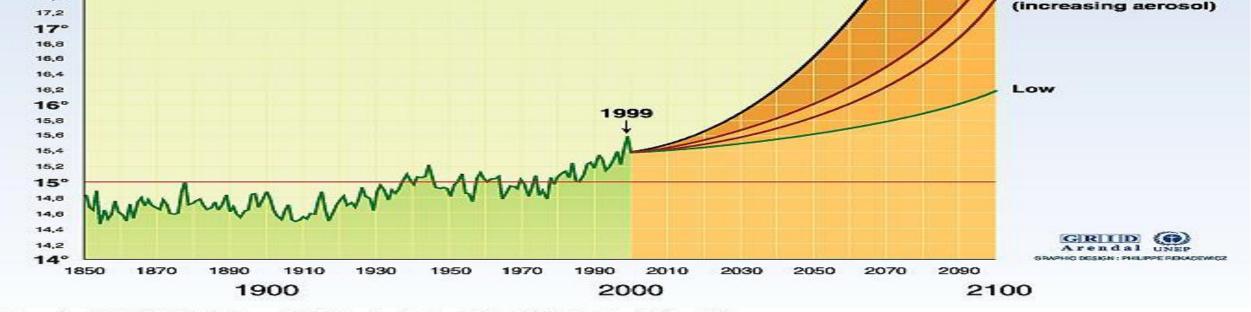


GLOBAL FUTURES.

#### **Increased Climate Change Risk**

#### Projected changes in global temperature: global average 1856-1999 and projection estimates to 2100 **IPCC** estimate Global average temperature in °centigrade High Best (constant aerosol) Best

FUTURES



Source : Temperatures 1856 - 1999: Climatic Research Unit, University at East Anglia, Norwich UK, Projections: IPCC report 95.

20°

19,8 19,6 19,4 19,2 19° 18.8 18,6 18,4 18,2 18°

17,8

17,6

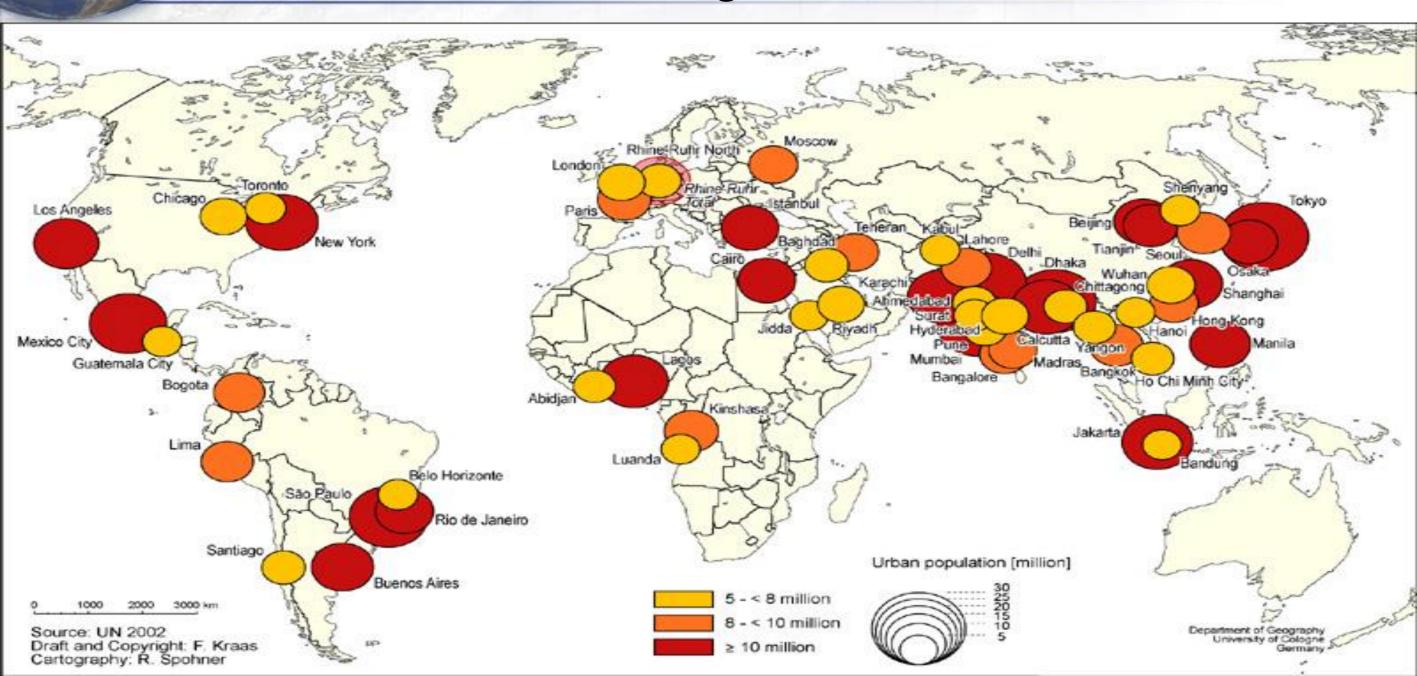
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# By 2025: Most Megacities in developing world—Climate Change Risk

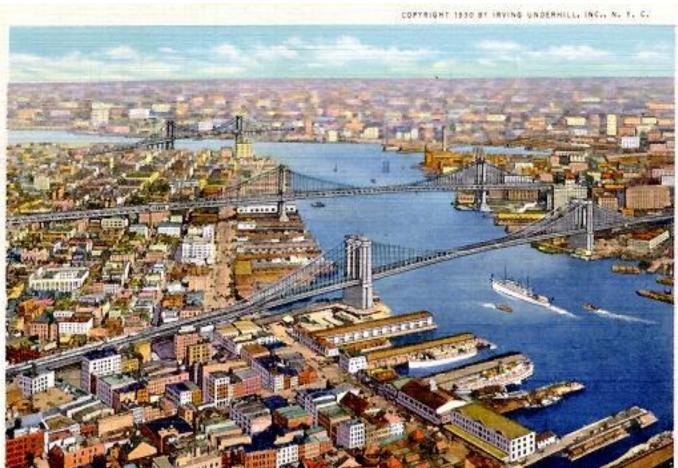


#### **Rise of Global Megacities**

#### The World of 2025 100+ Megacities Most in China, India and Latin America



BERKELEY, ALAMEDA IN DISTANCE



GLOBAL FUTURES.

#### Half World Live in Cities=80% GDP



#### Future MegaCities: Climate Adjusted







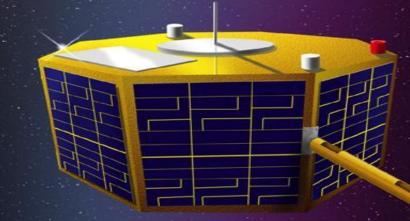
# Space Market: \$I Trillion By 2025







# Future Energy





# Fusion Energy

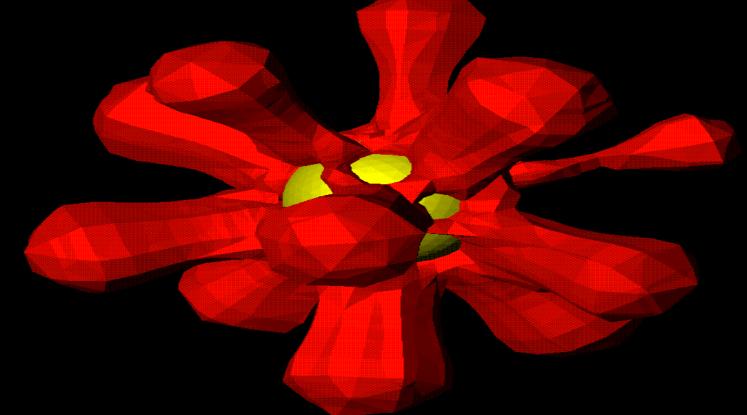
Management of the State of the

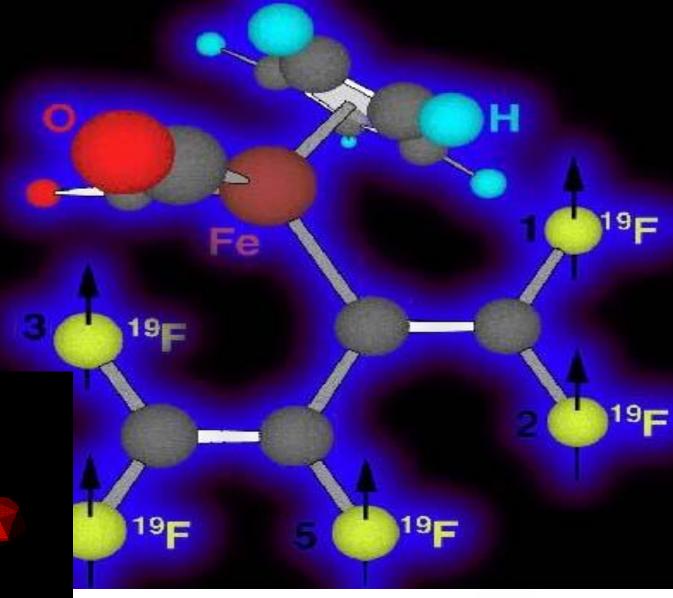
CONTRACTOR DATES

# Clean Tech: Planet Hacking

#### **Key Themes**

#### This is the Early Stage of the Innovation Economy





# Radical Innovation: Only Competitive Advantage

#### Innovate or Die

Contraction of the second



Innovators Mindset: Disrupt Yourself Before Your Competition Disrupts You

#### How Innovators Think



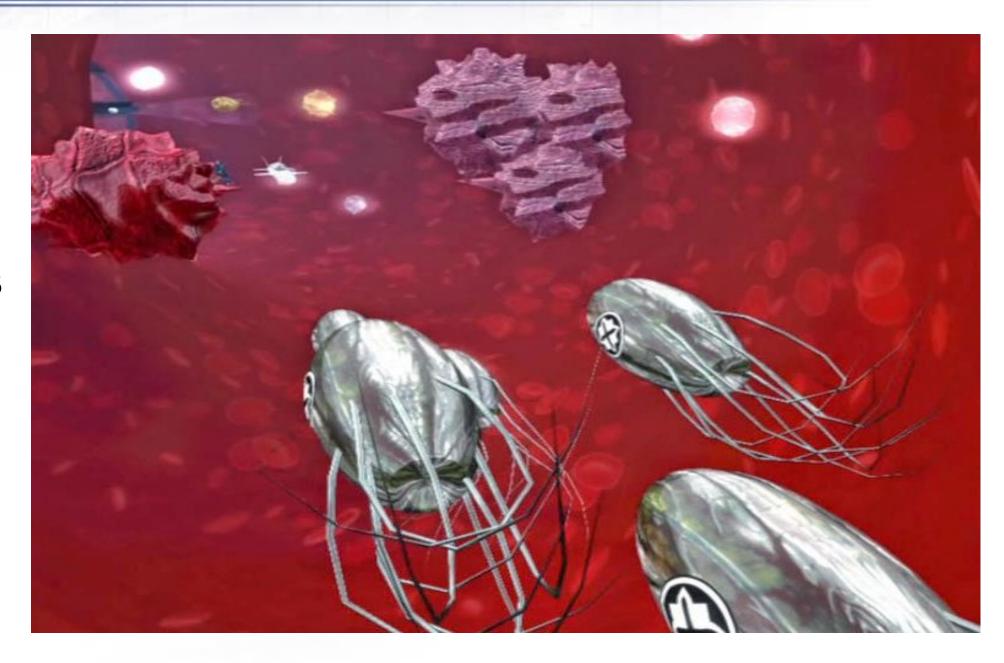
- 1. Courage to create
- 2. Envision big
- 3. Learn new
- 4. Reward/Incentives



#### **Innovators Mindset: 7 Keys**



5. Future Ready
 6. Look at Edge
 7. Break the rules



# Act with Velocity



Nano

Atoms

Genes

Quantum

Bio

#### Exponential Convergence

Neuro

Info

Neurons

**Bits** 

### Radical Tech Change





# Future Readiness: Digital Transformation





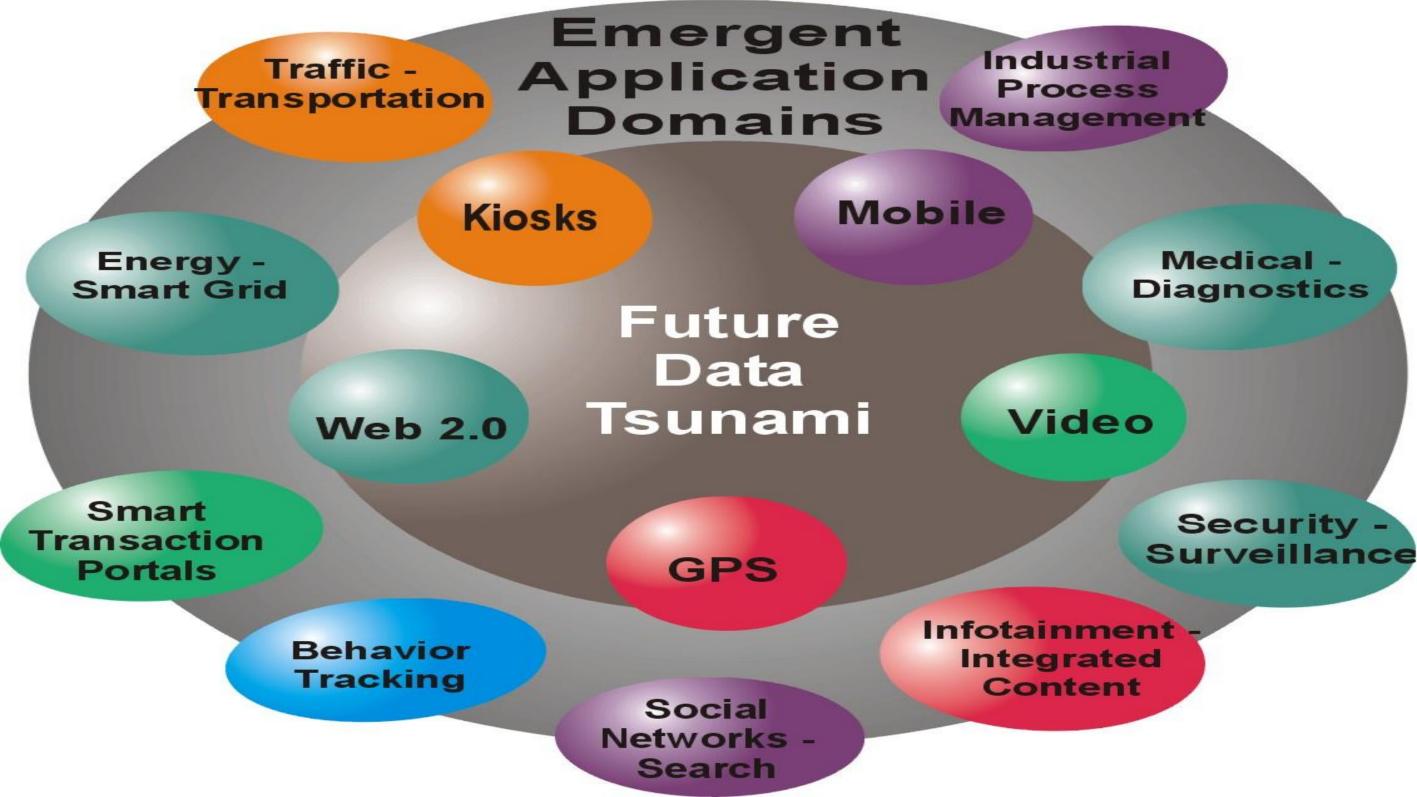
Always On

#### Internet Futures

1

S

Always Aware



# By 2020 100 Exabytes 100B Devices

#### Always on: Info That Predicts You

#### Sarabeth's

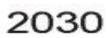
Detail Review **Go** Map Notes

Show 🗢 Walking Directions Walking from Broadway & Amsterdam Ave, go North on Amsterdam Ave. (The first street you should pass is 72nd St.) Go 0.5 miles to Sarabeth's at 423 Amsterdam Ave.









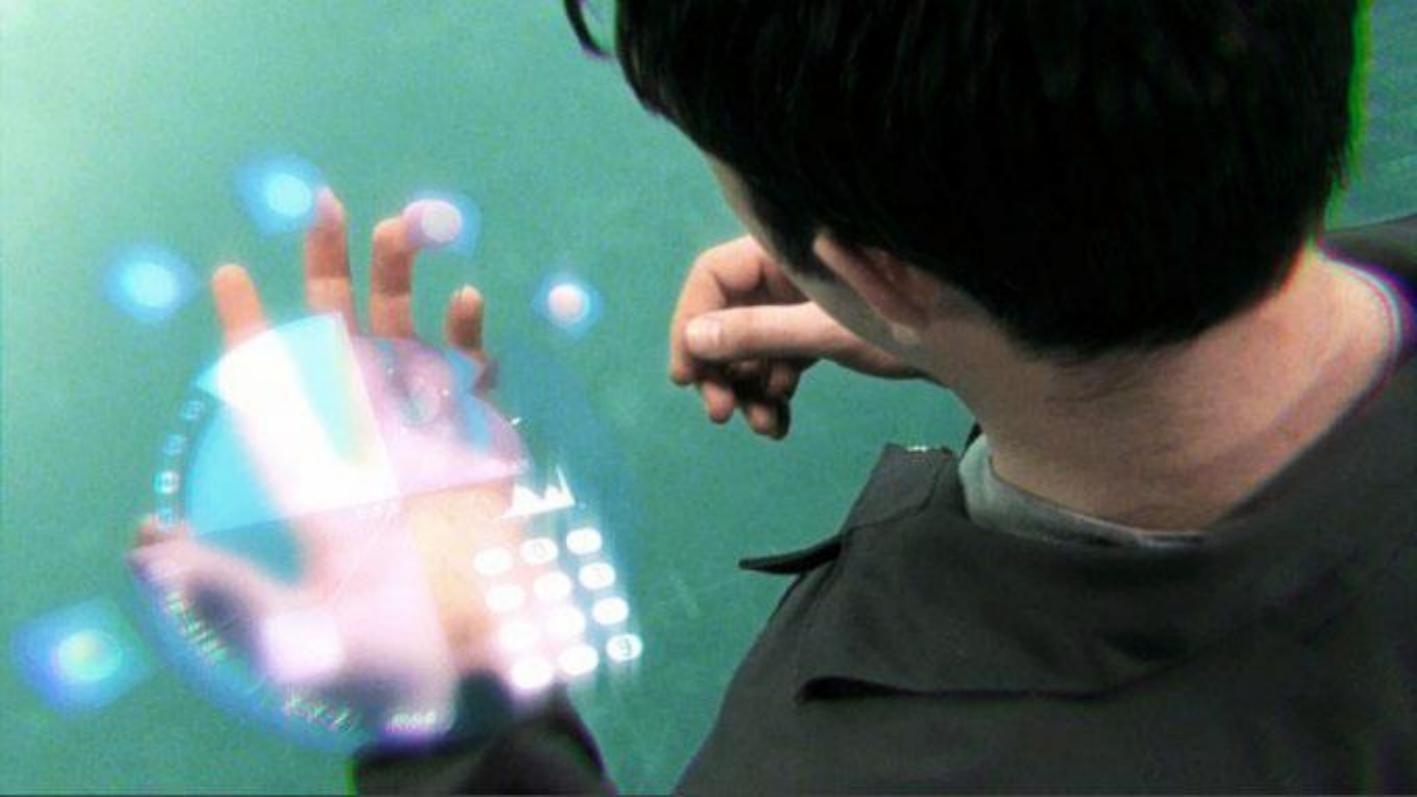
## Virtual Reality



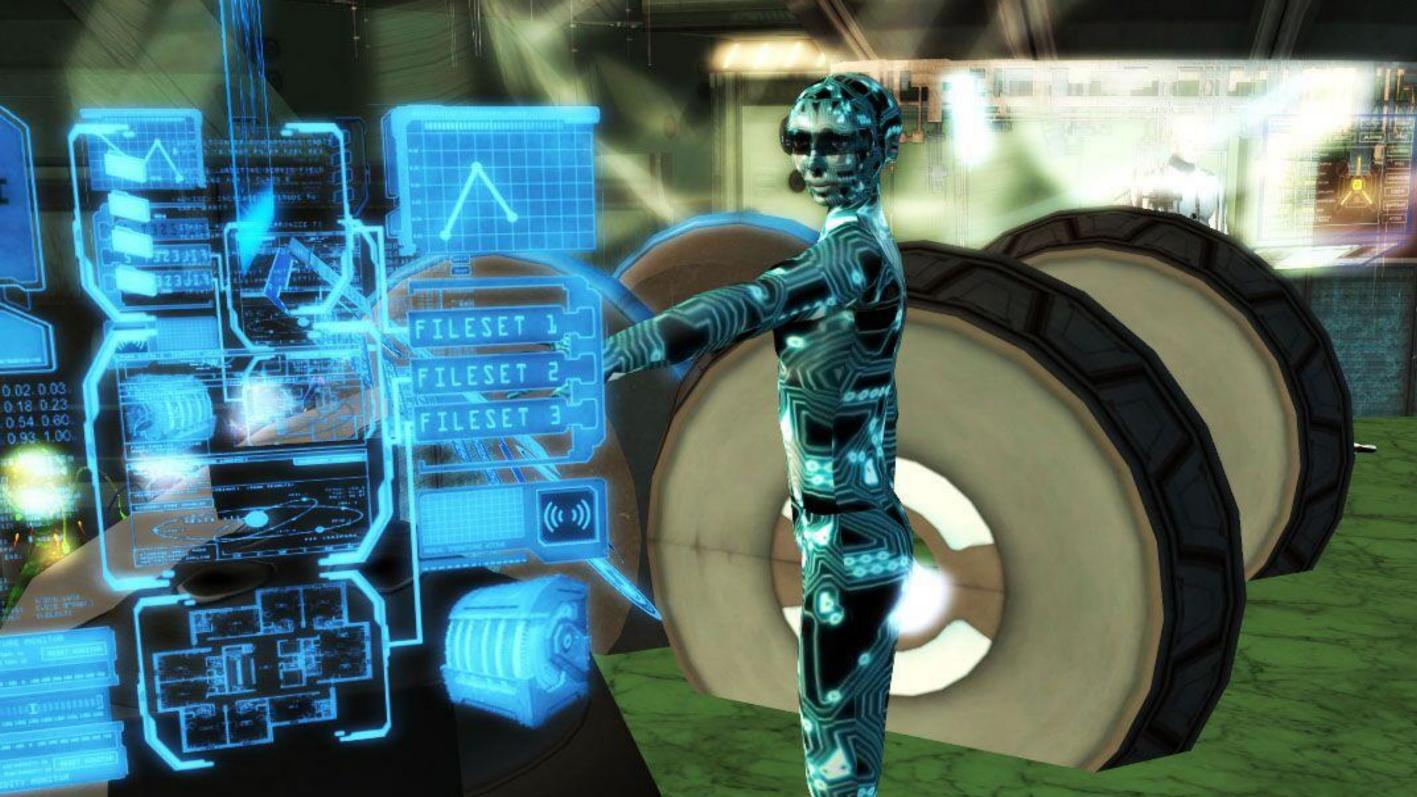
#### **Big Data/AI Convergence**



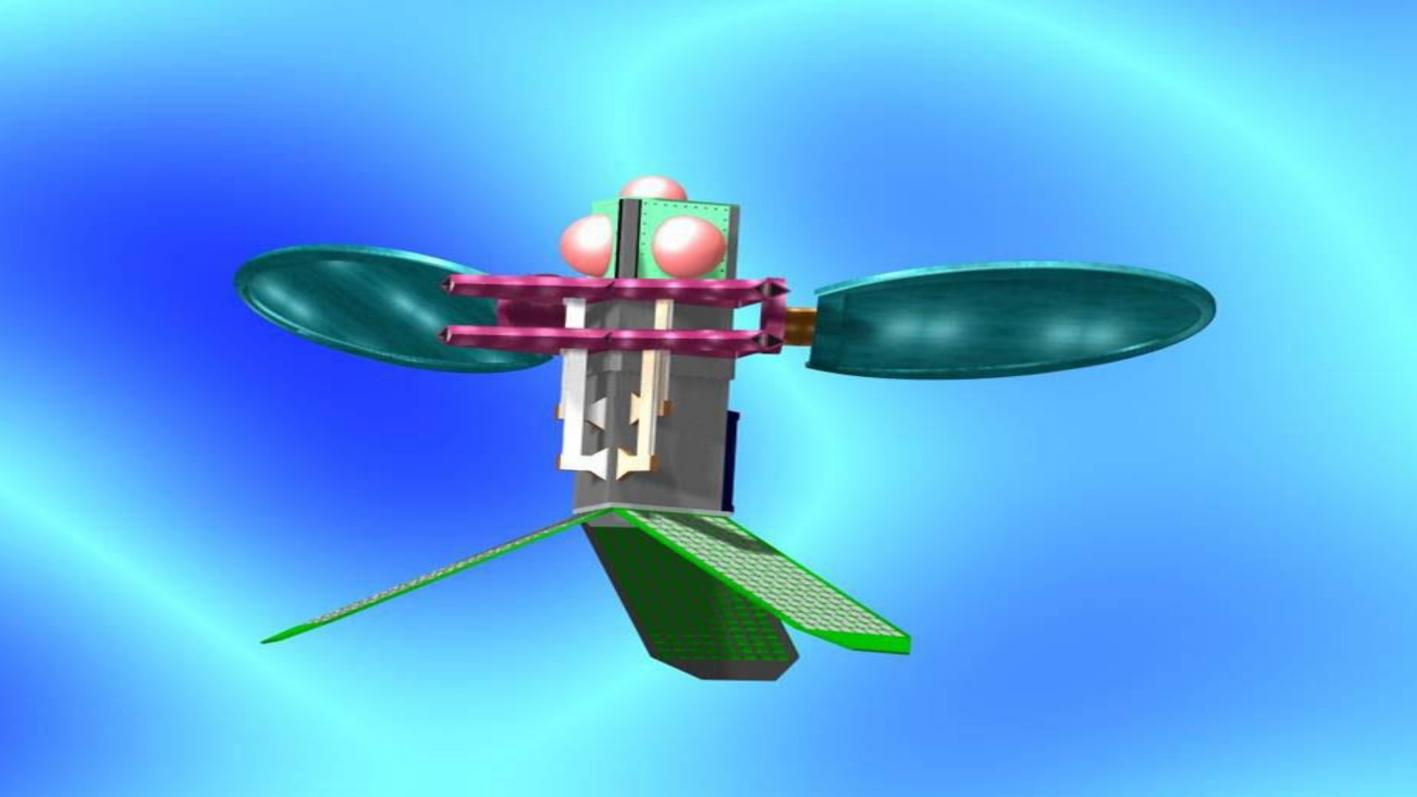


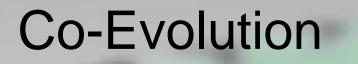


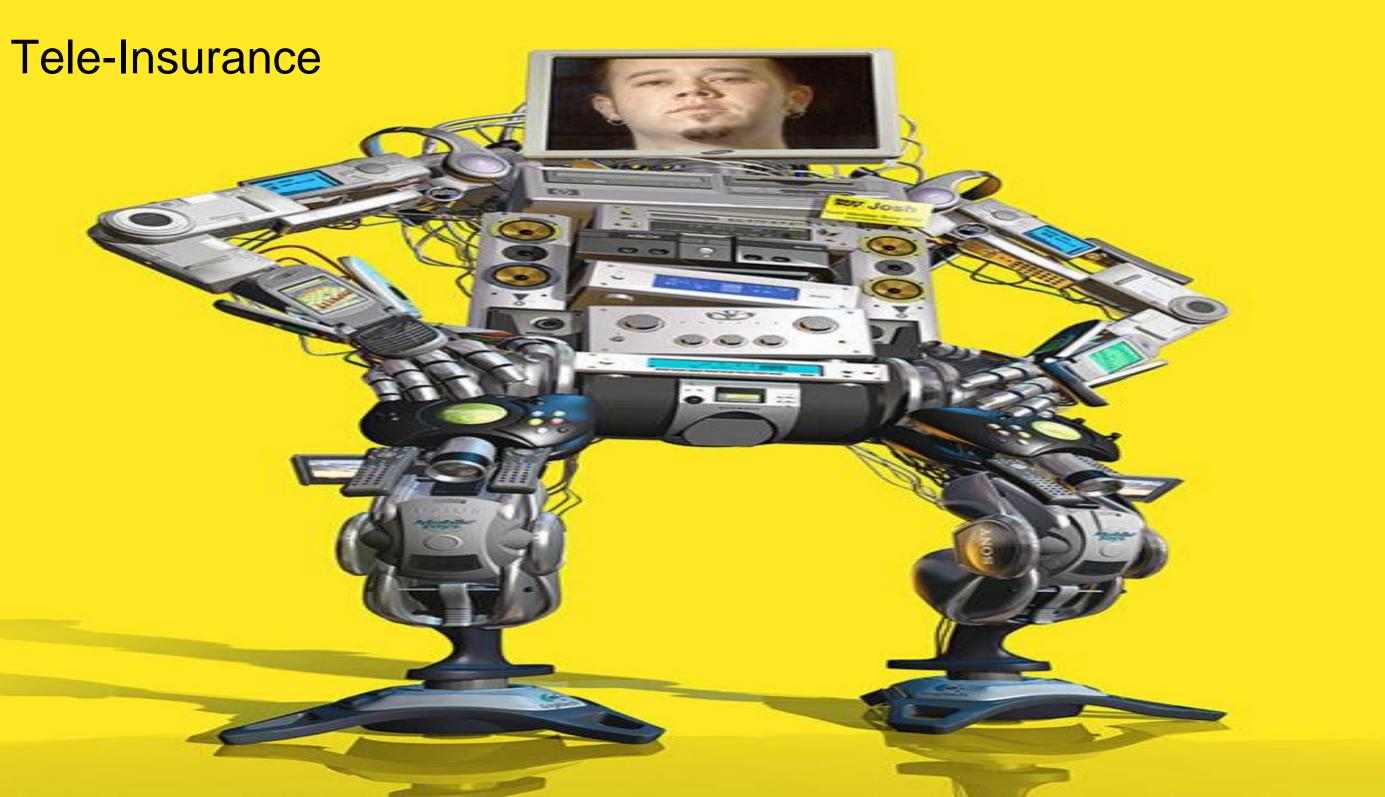


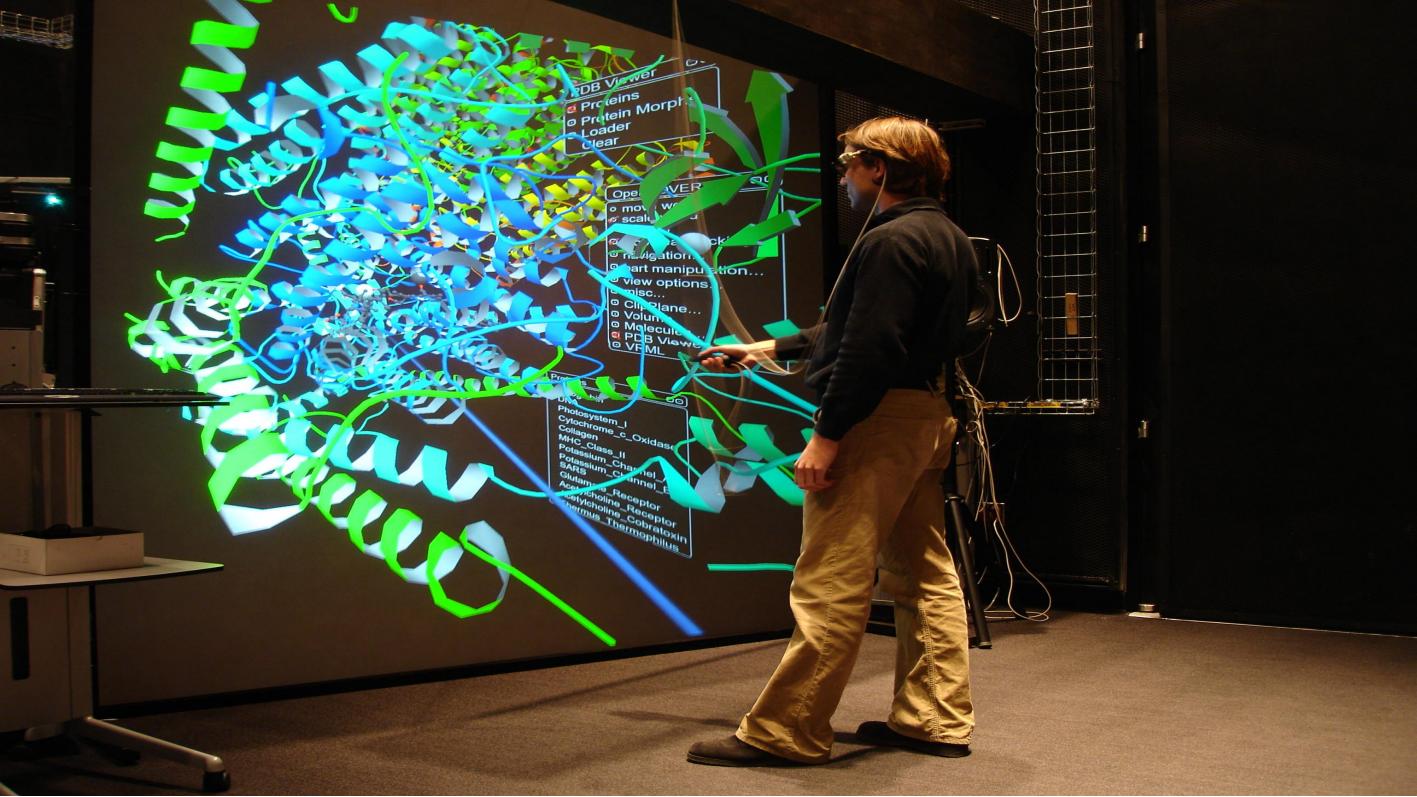








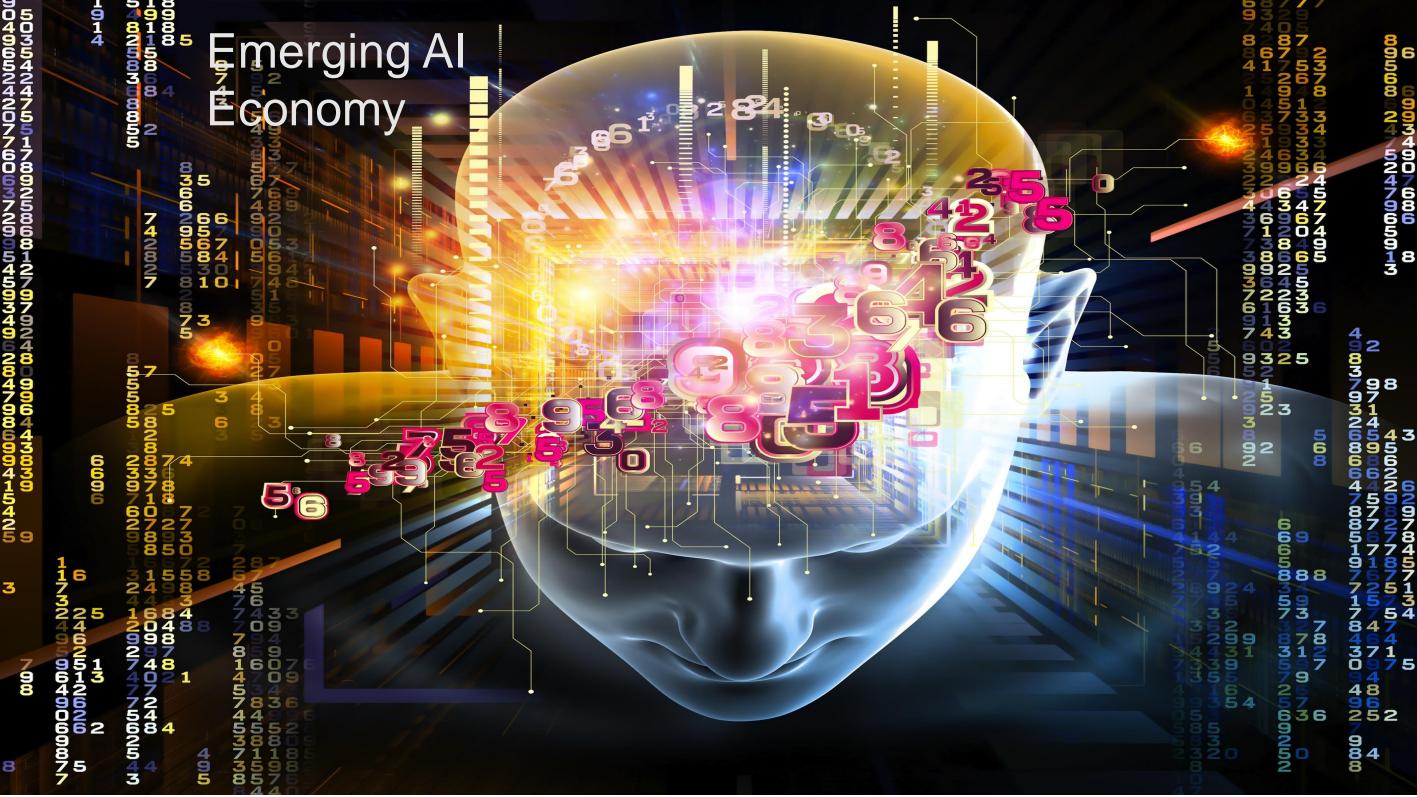




# Al Future: Neural Networks

# NextGen Computers: AI Machine Intel

# Robo/Al Convergence



### AI Doctors

5,,

ISO-B

11

Autonomous Humanoids: Social, Biz, Service 2025

### The End of Medicine

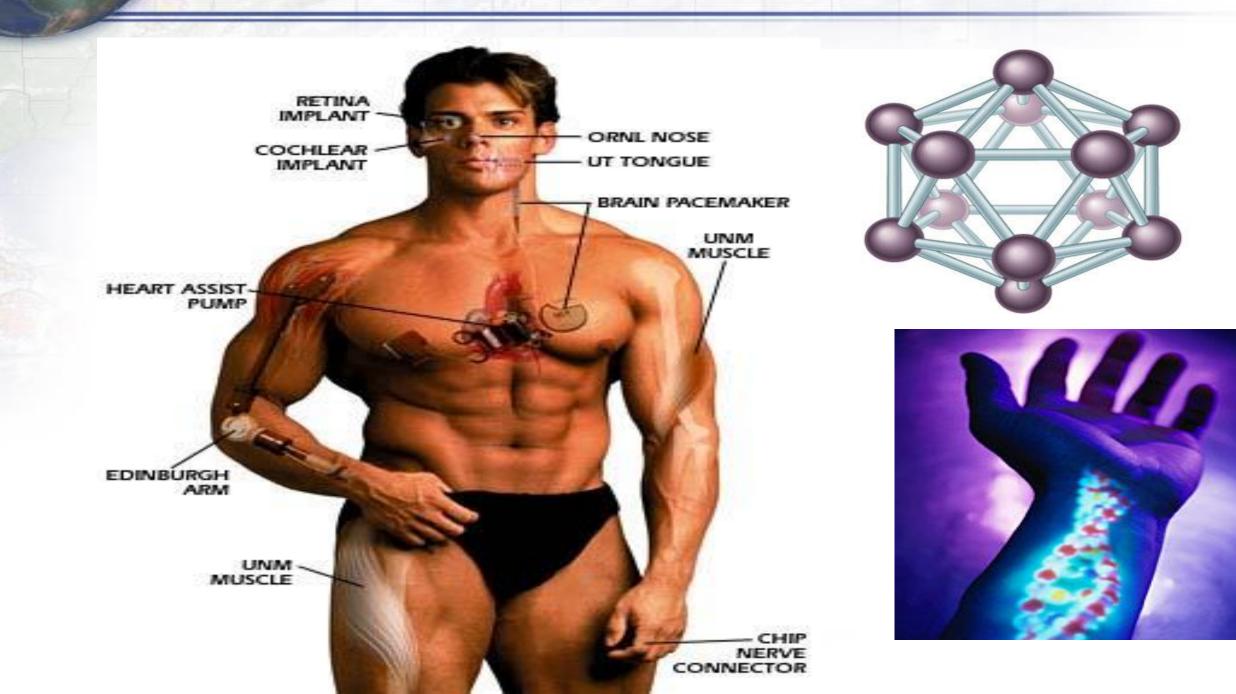


# Life Science Transforms Health Care





#### Life Extension: Personalized Med



### Mobile Enterprise Intelligence

Incoming call

MAICHEL

-

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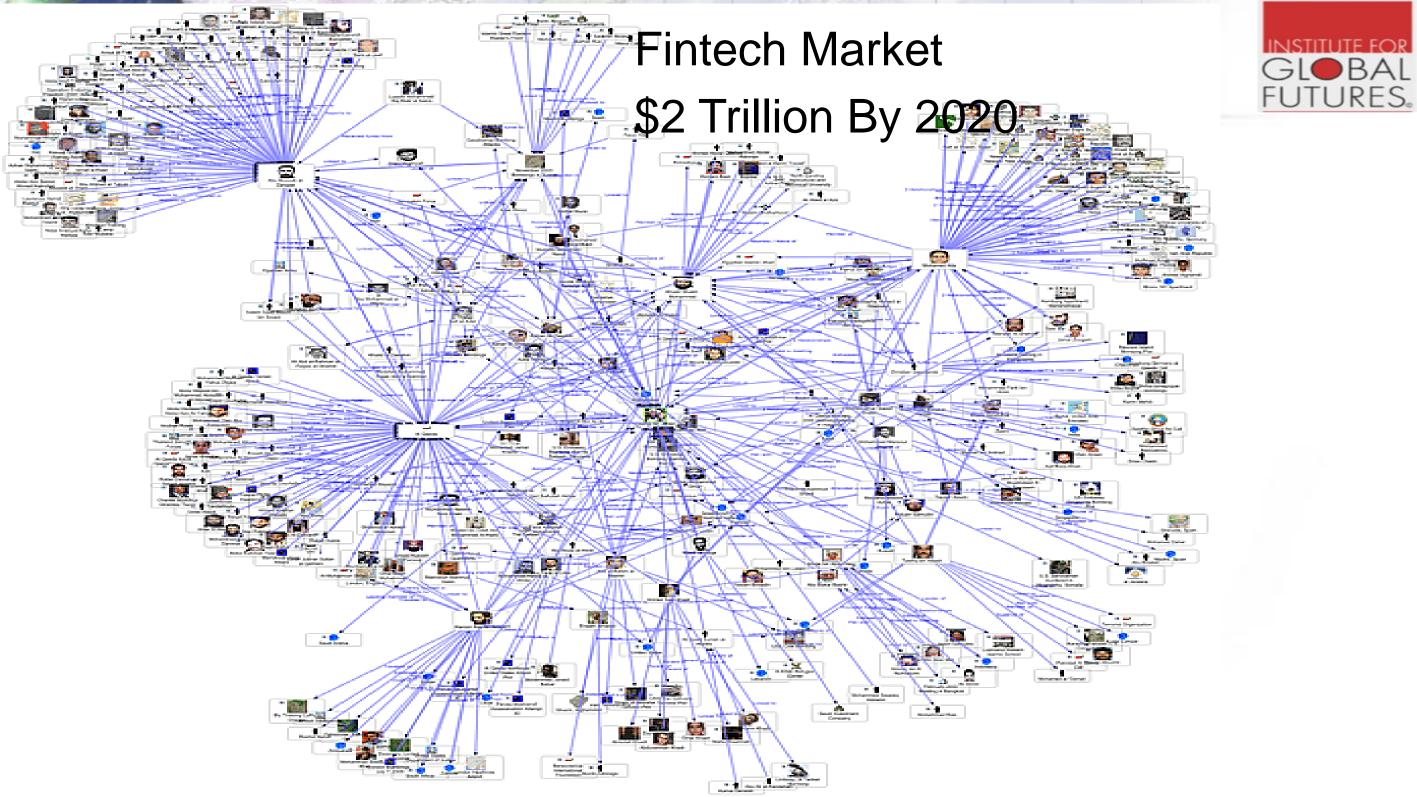
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27 💵 🔇

NEW MESSAGES: 20



# The Predictive Enterprise



#### digitization innovation rotection data aging population tise ection social networking digitiz alternative distribution J solv longevity risk innovations big data RENDS ageing data safety solvency II demanding regulation crosselling risk management biotechnology medical research reputation capital management new technologies medical underwriting microinsurance risk

## **Managing Tech Disruptions**







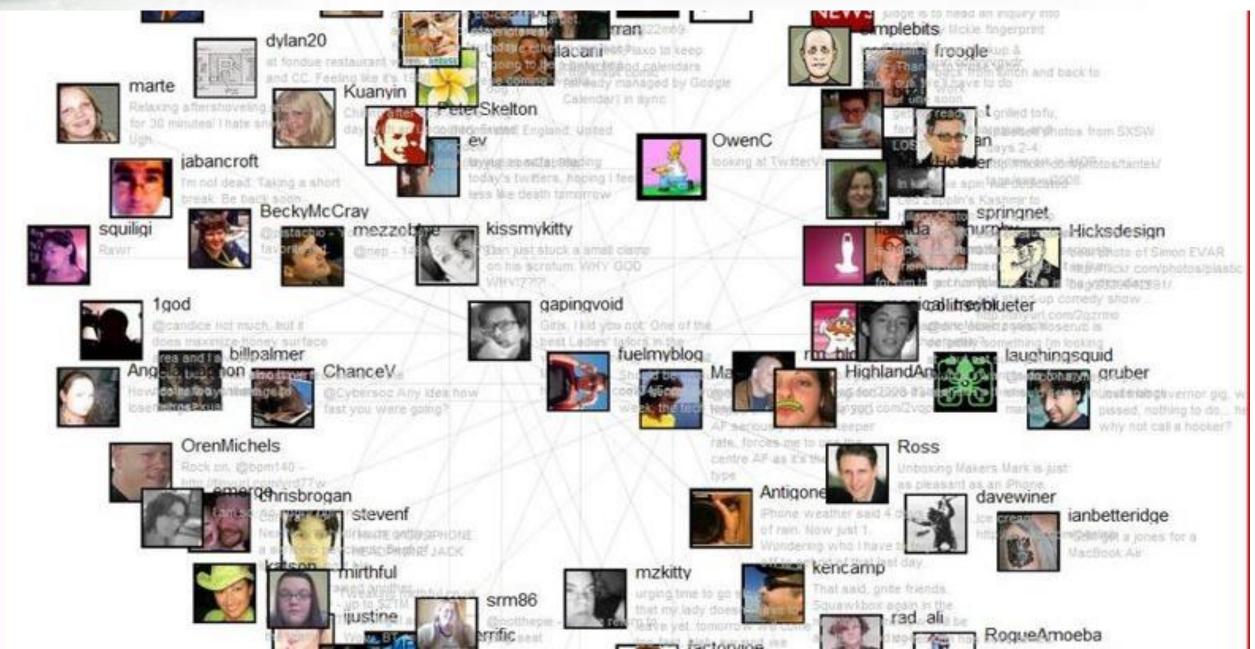
#### Mobile Knowledge Management





#### **Connected Economy**





# We are Connected: Do you get Us?



## **Click-Streamers: Digitally Connected**





#### CHAIN - FINANCE

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91

15

(A)

TST

OCKCHAIN INSURANCE

 $\bigcirc$ 



#### **Everyone's Competition is Al**



### Betterment

Hello! I'm a Bot. Always here to help you :)



BAI

FUTURES.

# amazon

# **Connected Economy**











## **3 D Manufacturing Economy**



INSTITUTE FOR

# GlobalFuturist.com

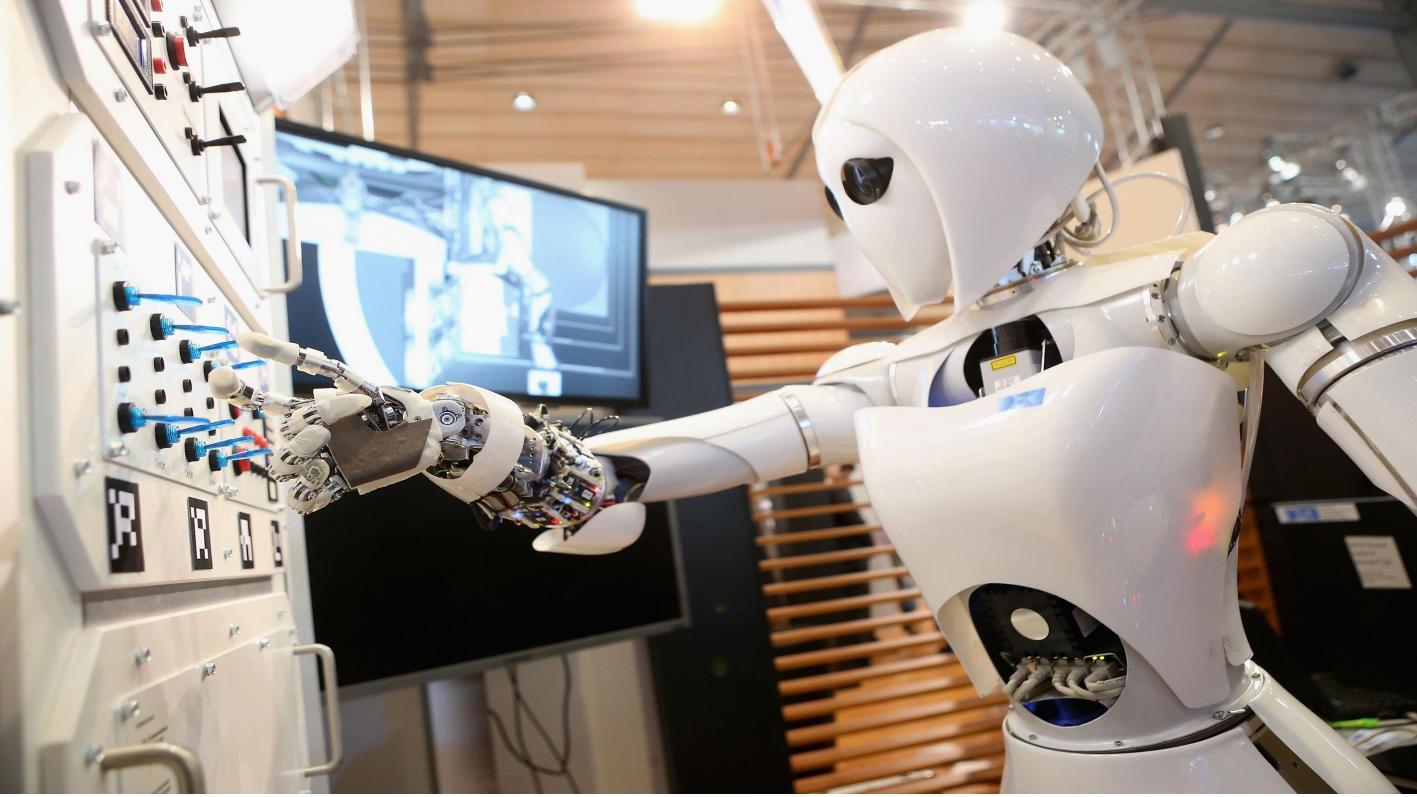


### Thank You Jcanton@futureguru.com

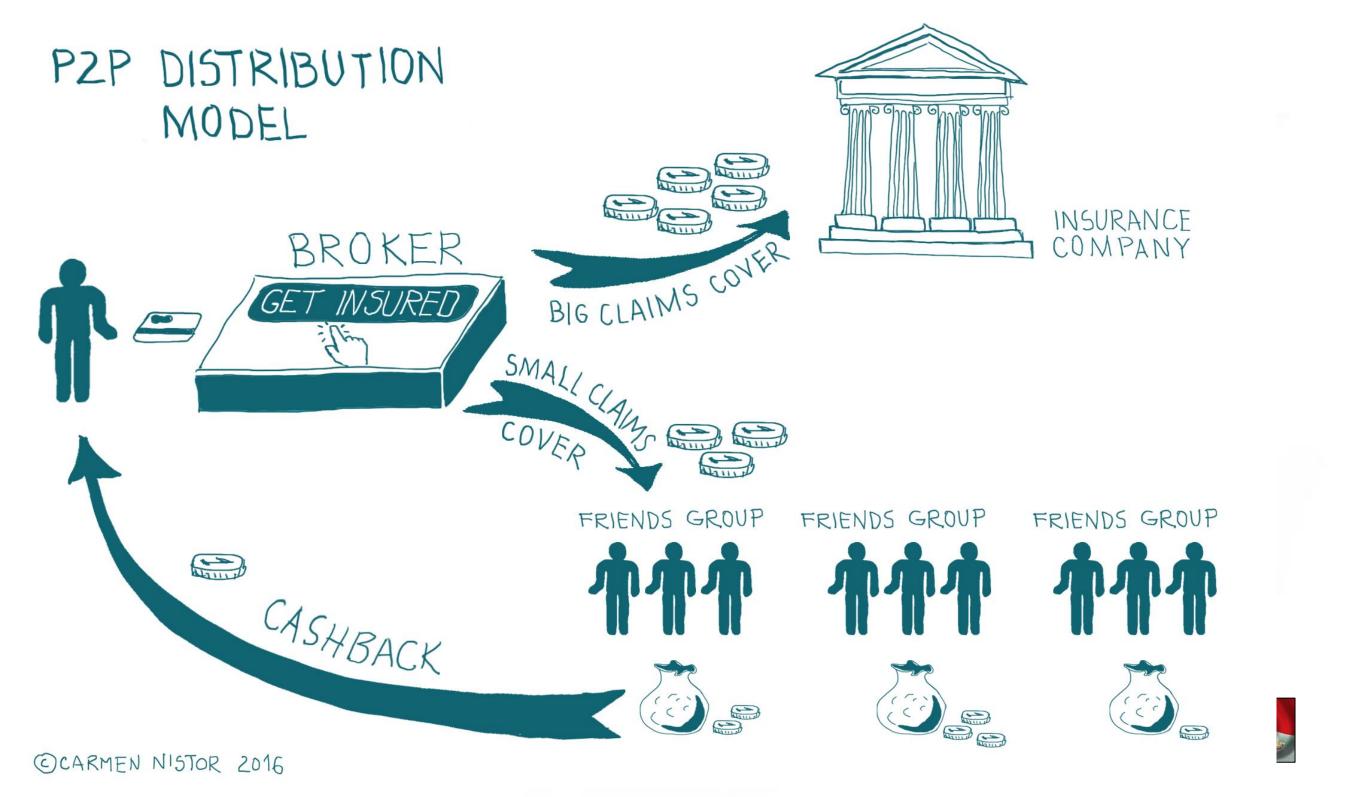


# Autonomous Robots



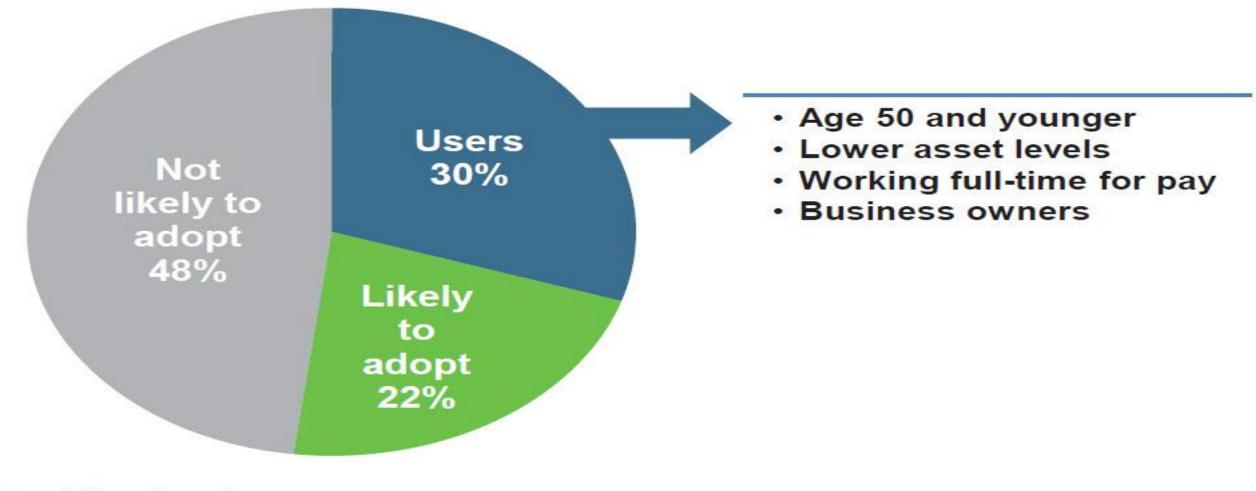






#### Smarter AI Drives Robo-Advice Trend

#### ROBO-ADVISOR MARKET: USAGE AND LIKELY ADOPTION AMONG AFFLUENT INVESTORS



Base: Affluent investors Source: Market Strategies International. Cogent Reports™. Investor Brandscape<sup>®</sup>. September 2015.

#### FinTech Advisor of the Future: Trends

Better Predictive Tools: Manage Uncertainty
 Changing MultiGen Clients: Affluent Clickstreamers



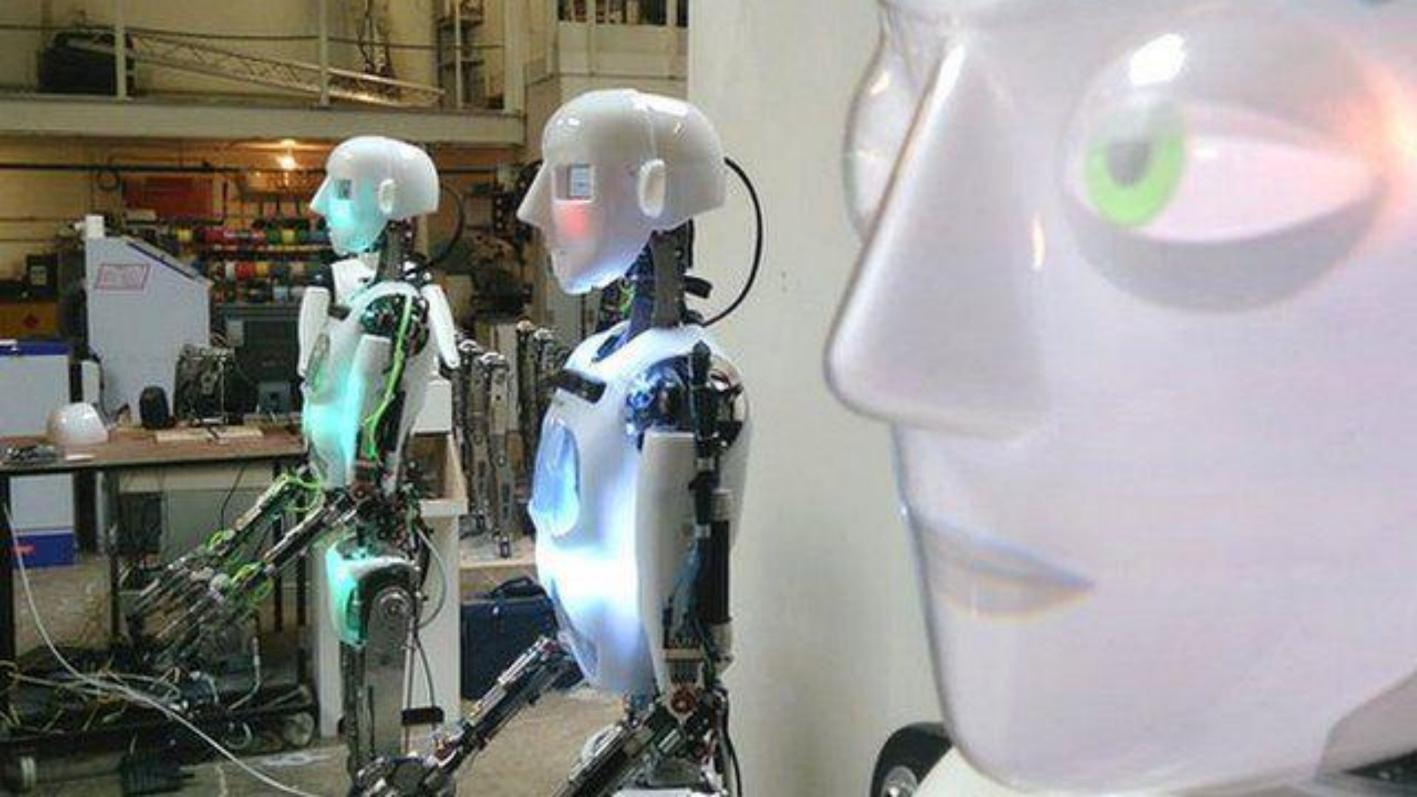
$$\begin{array}{c} \mathbf{A} = \mathbf{m} \mathbf{c} \Delta \mathbf{T} & F = \mathbf{C} \mathbf{M}_{1} \mathbf{M}_{2} & T = \mathbf{p}_{1}^{T} & \mathbf{P} \mathbf{V} = \mathbf{n} \mathbf{R} \mathbf{T} \\ \mathbf{F} \mathbf{v} = \mathbf{T} \mathbf{v} & \mathbf{A} \mathbf{E} = -\mathbf{h} \mathbf{v} & \mathbf{V} = \mathbf{v} & \mathbf{v} = \mathbf{v} \\ \mathbf{F} \mathbf{v} = \mathbf{T} \mathbf{v} & \mathbf{A} \mathbf{E} = -\mathbf{h} \mathbf{v} & \mathbf{v} = \mathbf{v} \\ \mathbf{F} \mathbf{v} = \mathbf{T} \mathbf{v} & \mathbf{A} \mathbf{E} = -\mathbf{h} \mathbf{v} & \mathbf{v} = \mathbf{v} \\ \mathbf{F} \mathbf{v} = \mathbf{v} & \mathbf{A} \mathbf{E} \mathbf{v} \\ \mathbf{F} \mathbf{v} = \mathbf{v} \\ \mathbf{F} \mathbf{v} = \mathbf{v} \\ \mathbf{F} \mathbf{v} = \mathbf{v} \\ \mathbf{F} \\ \mathbf{F} \mathbf{v} \\ \mathbf{F} \mathbf{v} \\ \mathbf{F} \\ \mathbf{F} \mathbf{v} \\ \mathbf{F} \mathbf$$

# 5) Future cyber risk trends

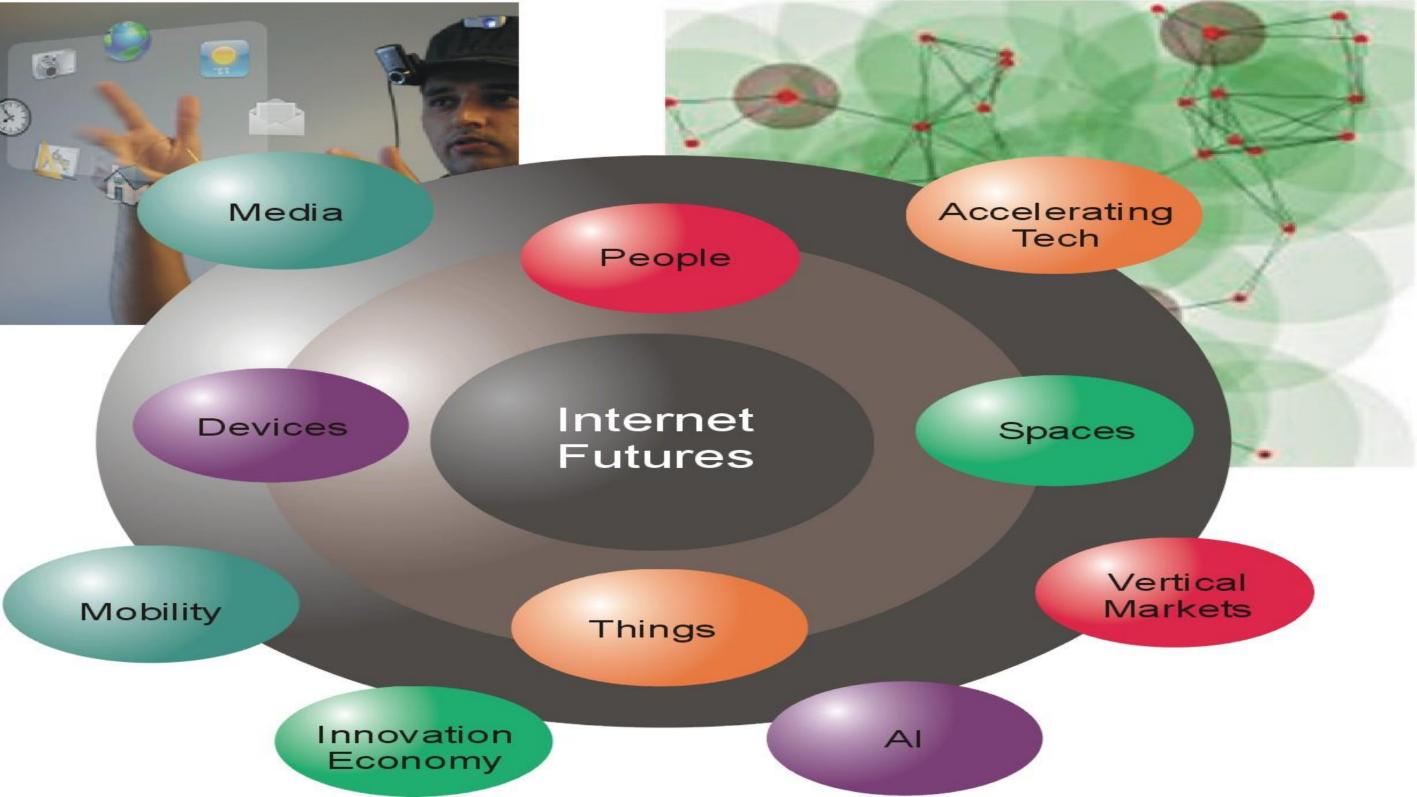
- Cyber insurance market could be worth \$20bn+ by 2025
- Liability and data protection risks dominate market today but demand for, and take-up of, business interruption cover will grow over next decade
- Businesses will be increasingly exposed to and focused on supply chain cyber rise
- Financial institutions, energy, utility, transport and telecommunications sectors to lead widening demand for cover
- A catastrophic cyber loss is increasingly likely. Governments, businesses and insurers will need to collaborate to protect critical infrastructure





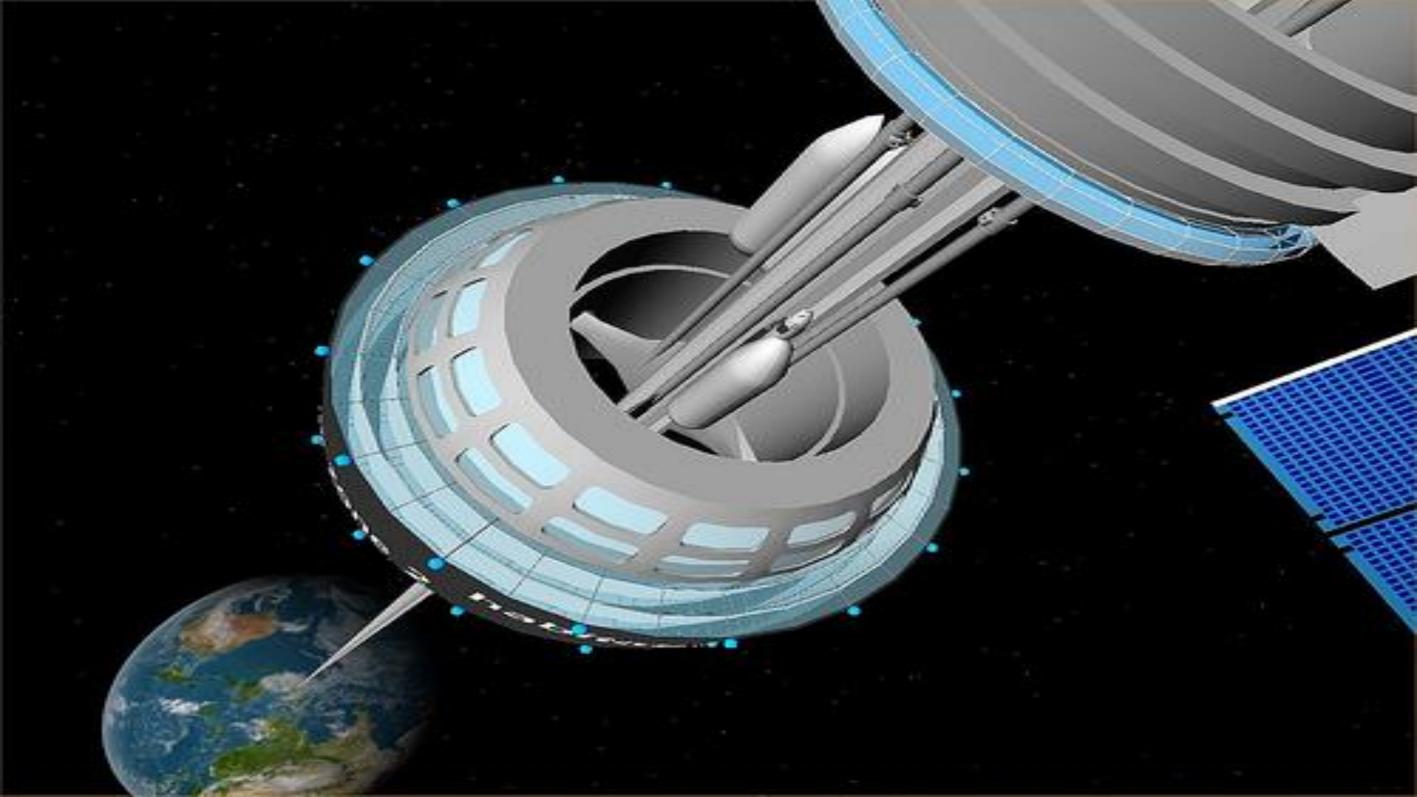






### Space Insurance Market



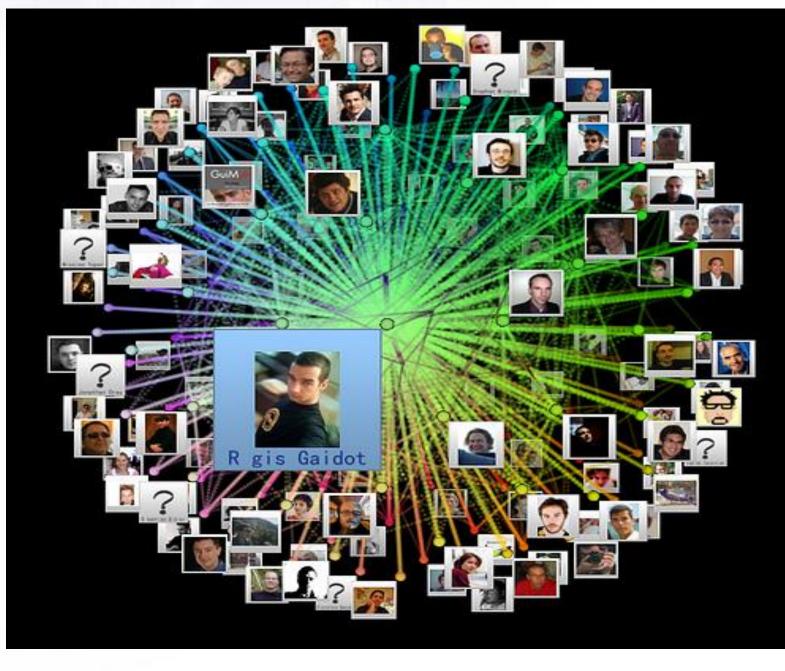


## **Energy To Colonization**



#### Future of Biz: Connected Economy

IoT/AI Ready
Innovation Culture
Hyper-Competition
Mobile Everything
Agility as Norm



BIOHACKING IS THE ART AND SCIENCE

of optimizing your body, mind, and performance with systems thinking: biology and technology.

## Self-Replication

Mobile Cell Repairer (3D view)

Image courtesy of Nanotechnology News Network Author: analyst Svidinenko Yuriy