

Future Work/Technology 2050 Global Scenarios

and Implications for Today

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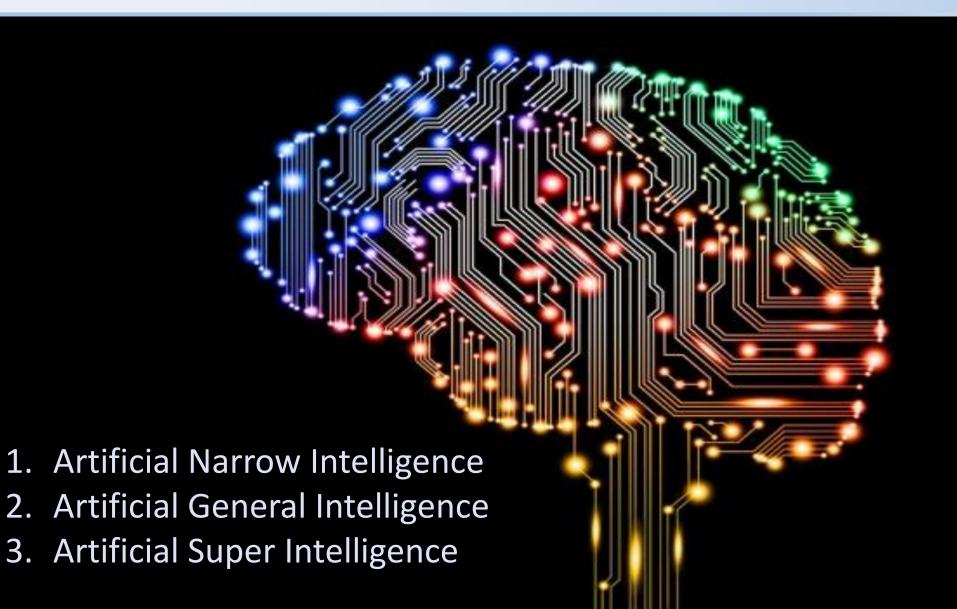
Inevitability of New Economics



- Concentration of wealth is increasing
- Income gaps are widening
- Employmentless economic growth seems the new norm
- Return on Investment in capital and technology is usually better than labor (Korea has five robots/100 workers now)
- Future technologies can replace much of human labor
- Long-term structural unemployment is a "business as usual" or "surprise free" trend forecast
- What can we do about this?

Three Forms of Artificial Intelligence





These three are often lumped together as Al

This confuses the discussion about Al

Next Technologies (NT): Imagine How N7 Synergies Will Shape Your Company

Artificial Intelligence

Robotics

Synthetic Biology & Genomics

Computational Science

Cloud & Big Data Analytics

Artificial & Augmented Reality

Nanotechnology (two kinds)

IoT, Tele-Everything & Tele-

Everybody, the Semantic Web

Quantum computing

Tele-Presence, Holographic

Communications

Intelligence augmentation

Collective Intelligence

Blockchain

3D/4D Printing Materials/Biology

Drones, Driverless Cars (and

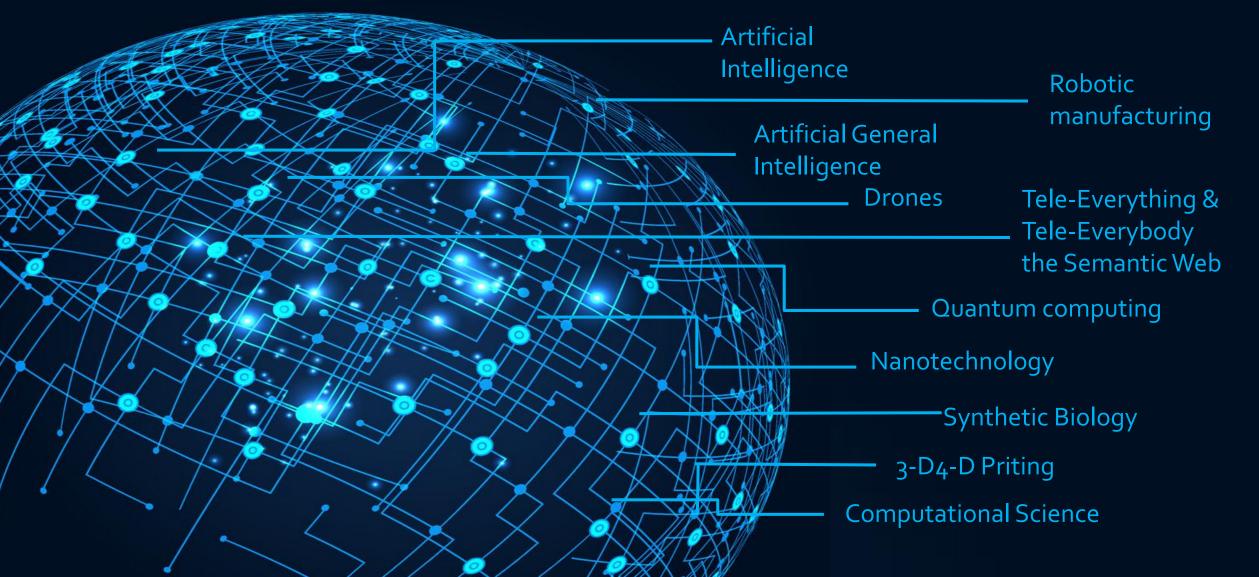
other autonomous vehicles)

Conscious-Technology

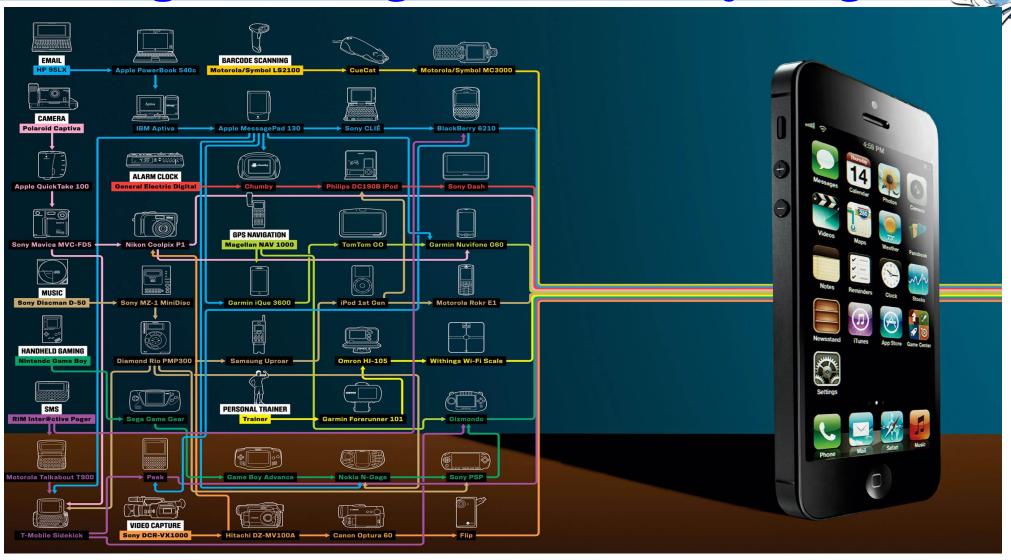
Synergies Among These

The Old Way of Seeing the Future of Technologies: Linear and Separate



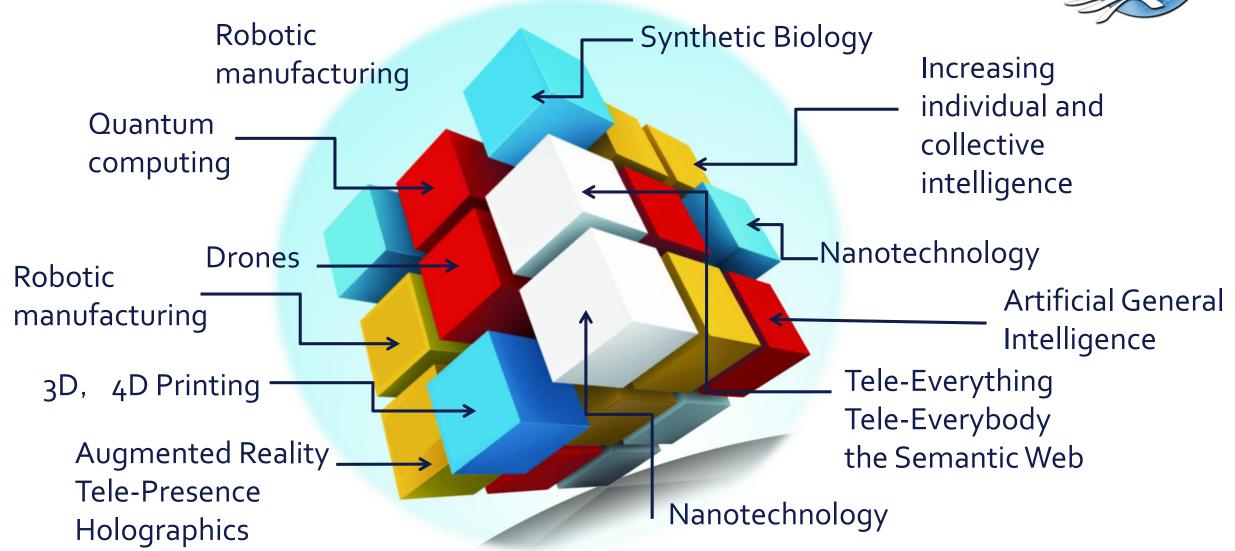


Future Way of Seeing Future of Technologies: Integration and Synergies



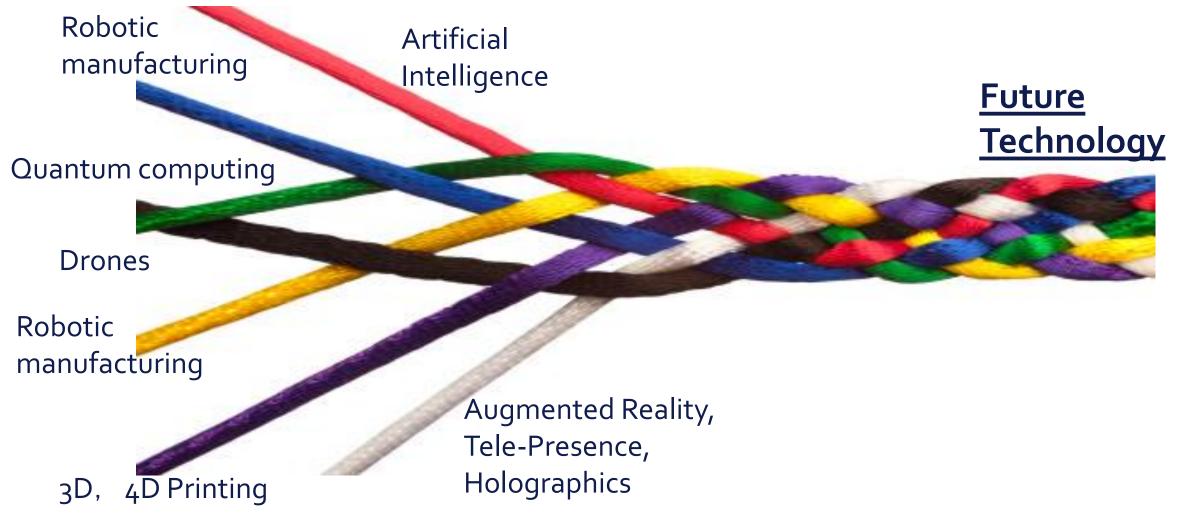
Future Synergies





Future Synergies





Global Work/Technology Scenarios 2050

1. It's Complicated - A Mixed Bag

2. Political/Economic Turmoil – Future Despair

3. If Humans Were Free – The Self-Actualizing Economy

IoT AI Contact Lens – always in Virtual and Augmented Reality connected to the word



Scenario 2 Jobless Migrations



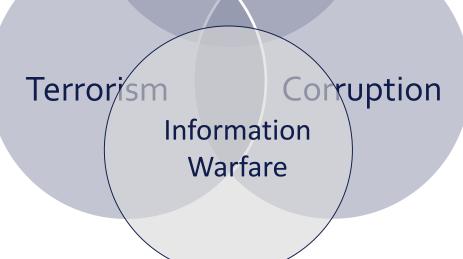


Al Made This Combination Far More Powerful...



...Made Democracy and Free Markets...

Organized Crime



...An Illusion

Your Personal Al Avatar searches the web while you sleep...

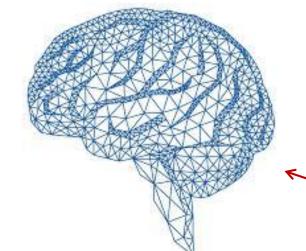


... then wakes you up in the morningwith all kinds of interesting things to do, some for income, some because the are just fun, and some that are both.



Human Augmentation: Al-Brain Interface as a "Neural Lace" (term coined by Elon Musk)





"Neural lace," a mesh of electronics [and photonics] that will allow Al and the brain to work together.

This could help human brains keep up with future enhancements in Al.

The World

Artificial Intelligence

> Human Brain

https://youtu.be/ZrGPuUQsDjo

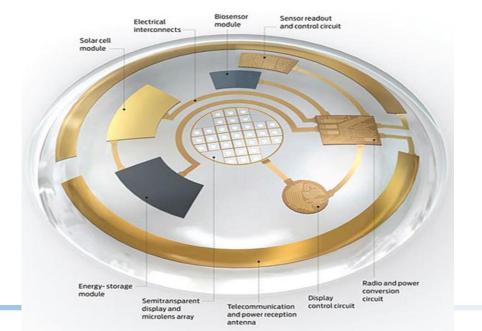
Steve Jobs and Bill Gates 1991



Consider what these two geniuses created!



By 2030-2050 millions of people could become augmented geniuses, and what could we create?



For further information



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Global Futures Intelligence System:

http://millennium-project.org/millennium/GFIS.html

State of the Future 19.0:

http://millennium-project.org/millennium/2017SOF.html

Futures Research Methodology 3.0:

http://millennium-project.org/millennium/FRM-V3.html