

ACSDA CONFERENCE BOLIVIA 2017

TECHNOLOGY INFLUENCING THE FUTURE OF CAPITAL MARKET

Henri Bergstrom

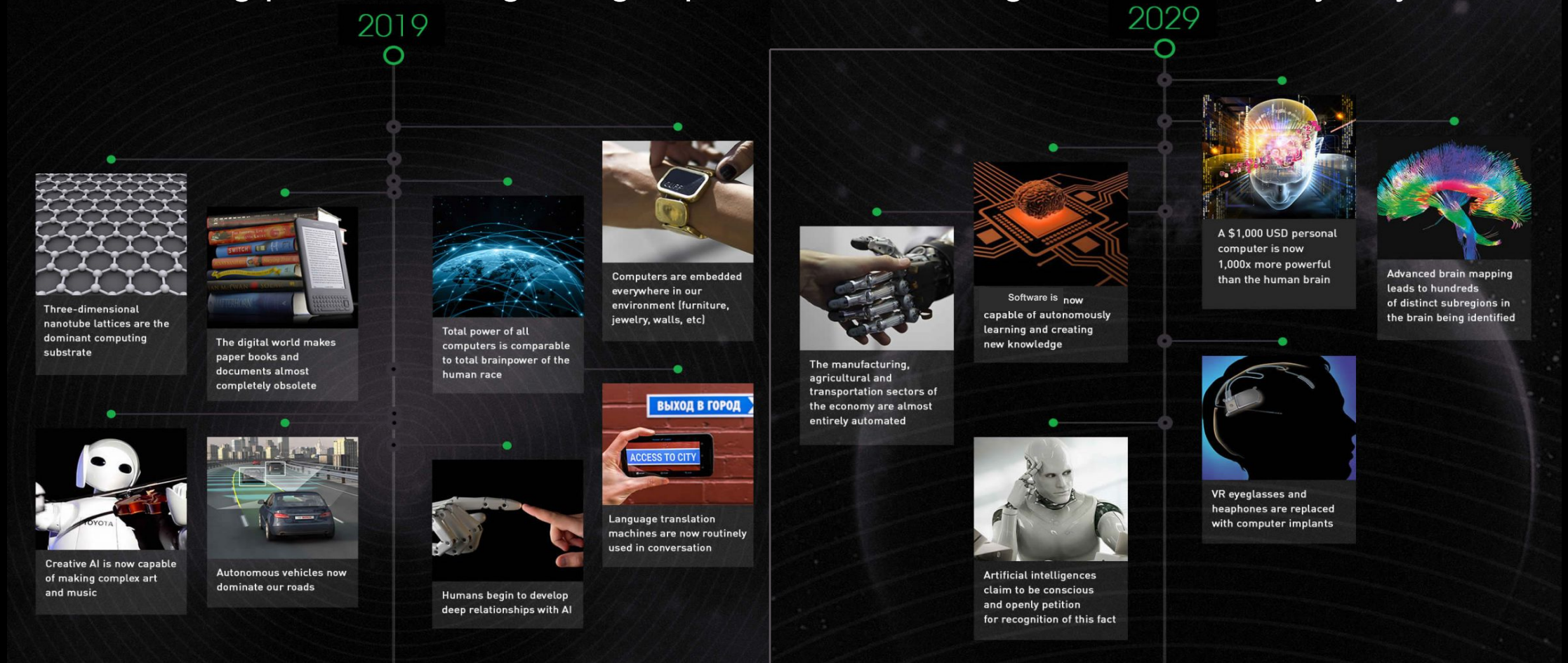
Product Manager
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TECHNOLOGY CONTINUES TO ADVANCE EXPONENTIALLY

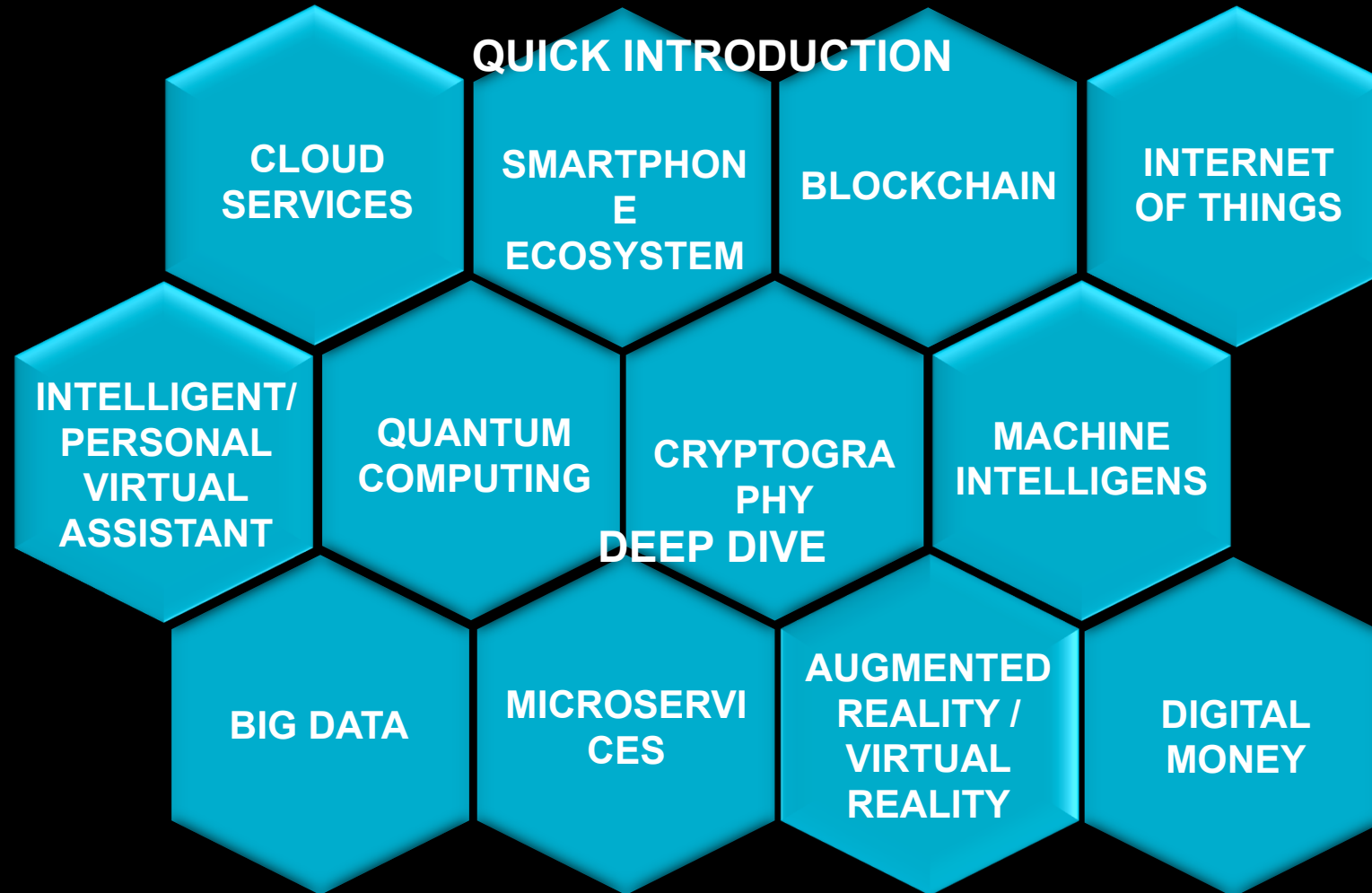
The following predictions regarding exponential technologies were made by Ray Kurzweil.



He has made 147 predictions since the 1990's and has maintained an astonishing 86% accuracy rate.

TECHNOLOGY TRENDS SHAPING FINANCIAL SERVICES

Innovations Advancing The FinTech Landscape



INTELLIGENT/PERSONAL VIRTUAL ASSISTANT & INTERNET OF THINGS



A Trillion-Sensor Economy

The Internet of Everything describes the networked connections between devices, people, processes and data. By 2025, the IoE will exceed 100 billion connected devices, each with a dozen or more sensors collecting data.

This will lead to a trillion-sensor economy driving a data revolution beyond our imagination. Cisco's recent report estimates the IoE will generate \$19 trillion of newly created value.

-Peter Diamandis

A man in a dark suit and blue patterned tie is holding a tablet. A glowing blue cloud is centered over his chest, with a network of white lines and nodes radiating from it. Various white icons are scattered around the network, including a smartphone, a tablet, an envelope, server racks, a magnifying glass with an 'X', a person icon, and a padlock. The word 'CLOUD' is written in large, white, outlined letters across the center of the cloud.

CLOUD

THE GROWING CLOUD ECOSYSTEM

CLOUD COMPUTING STACK



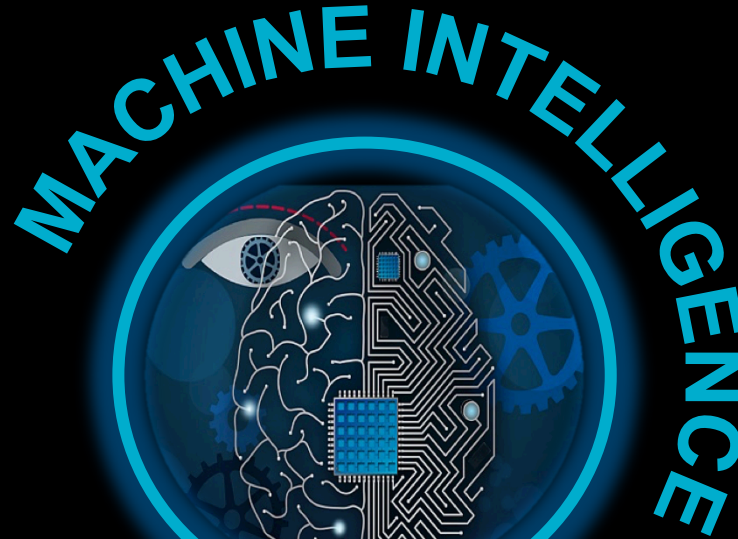
A person in a dark suit and blue patterned tie is holding a tablet. The background is a dark, moody blue. Overlaid on the image is a complex digital interface with various icons: a cloud, a smartphone, an envelope, server racks, a magnifying glass with an 'X', a person icon, a padlock, and several computer monitors. The text 'MACHINE INTELLIGENCE' is centered in a bold, white, sans-serif font with a slight glow.

MACHINE INTELLIGENCE

MACHINE INTELLIGENCE

NATURAL LANGUAGE PROCESSING

Ability of a computer program to understand and respond to written and verbal human languages.



COGNITIVE COMPUTING

Combines multiple machine intelligence methods to extend and magnify human expertise, thought and experimentation.

MACHINE LEARNING

A type of artificial intelligence that provides computers with the ability to learn without being explicitly programmed.

KEY SUMMARY POINTS



NASDAQ DATA AND OTHER DATA
ADVANCING EXISTING AND NEW
IN THE CLOUD
READ, WRITE, LISTEN AND SEE
CREATION

NASDAQ 4 FOCUS AREAS FOR 2017

TO BUILD COMMERCIAL OFFERINGS AND PUT SOLUTIONS INTO PRODUCTION



KEY TAKEAWAYS TO CSD'S

- Technology is just an enabler, business first
- Forget, learn, identify, implement, start again
- Technology awareness and literacy is a necessity. Collaborate with FinTech companies such as Nasdaq.

THANK YOU

