



## AI Ambient Virtual Assistant Will Coordinate & Negotiate with the Network's Edge

# +About Scott Amyx



The New York Times

TIME

WIRED

Forbes

CIO

TE  
TechCrunch

IEEE  
Advancing Technology  
for Humanity



InformationWeek The Washington Post readwrite GIGAOM



IBM  
Insight2015  
The Premier Data and Analytics Conference  
October 25 - 29 | Monday Bay Las Vegas, Nevada



Budapest 12-15 October



WEARABLE TECHNOLOGIES



book your tickets now



LOCATION  
& CONTEXT  
WORLD



UCLA



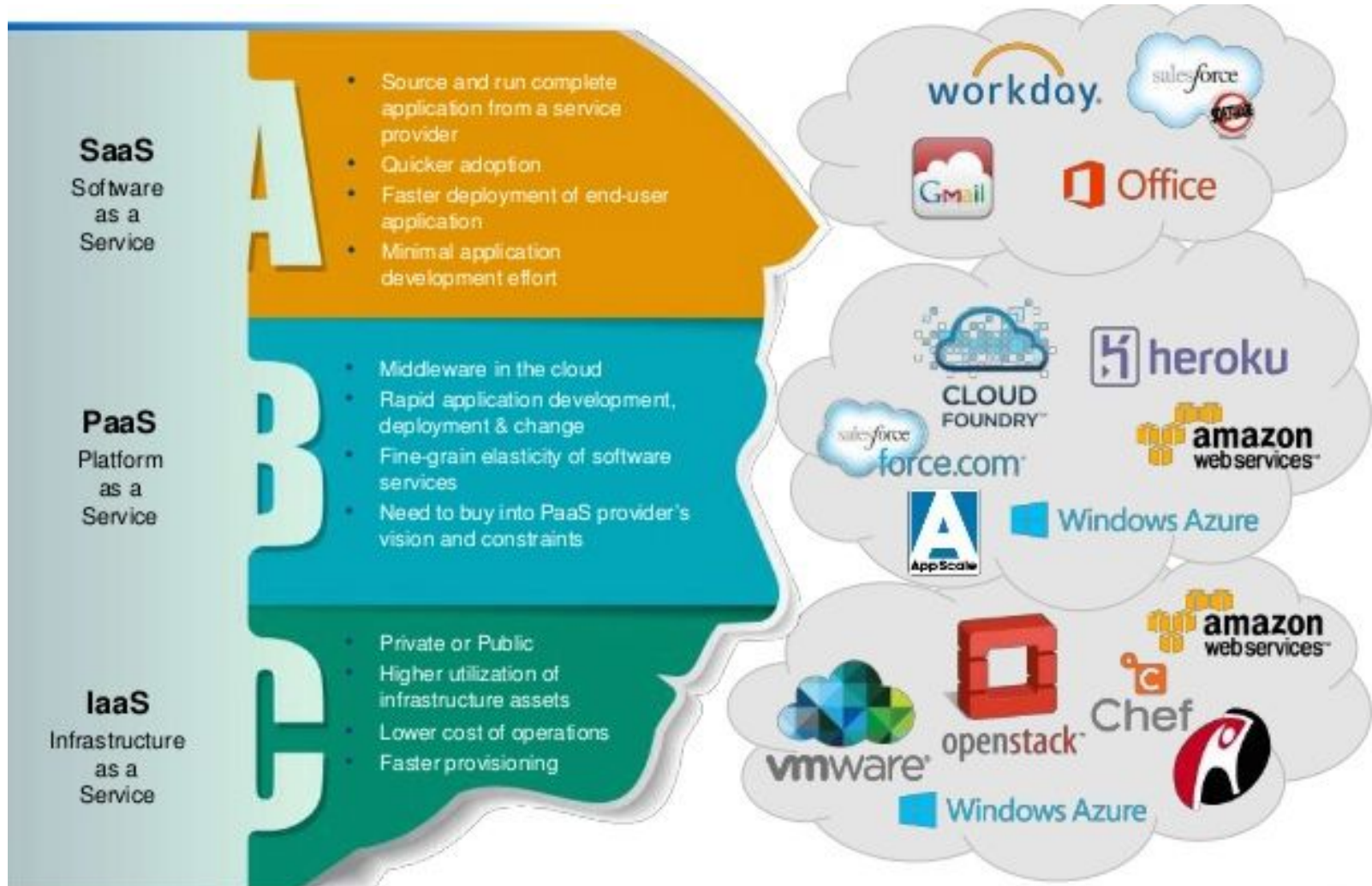
# Amyx+

## Content

- ❖ From Cloud to Decentralized
- ❖ Driving Forces
- ❖ So What?

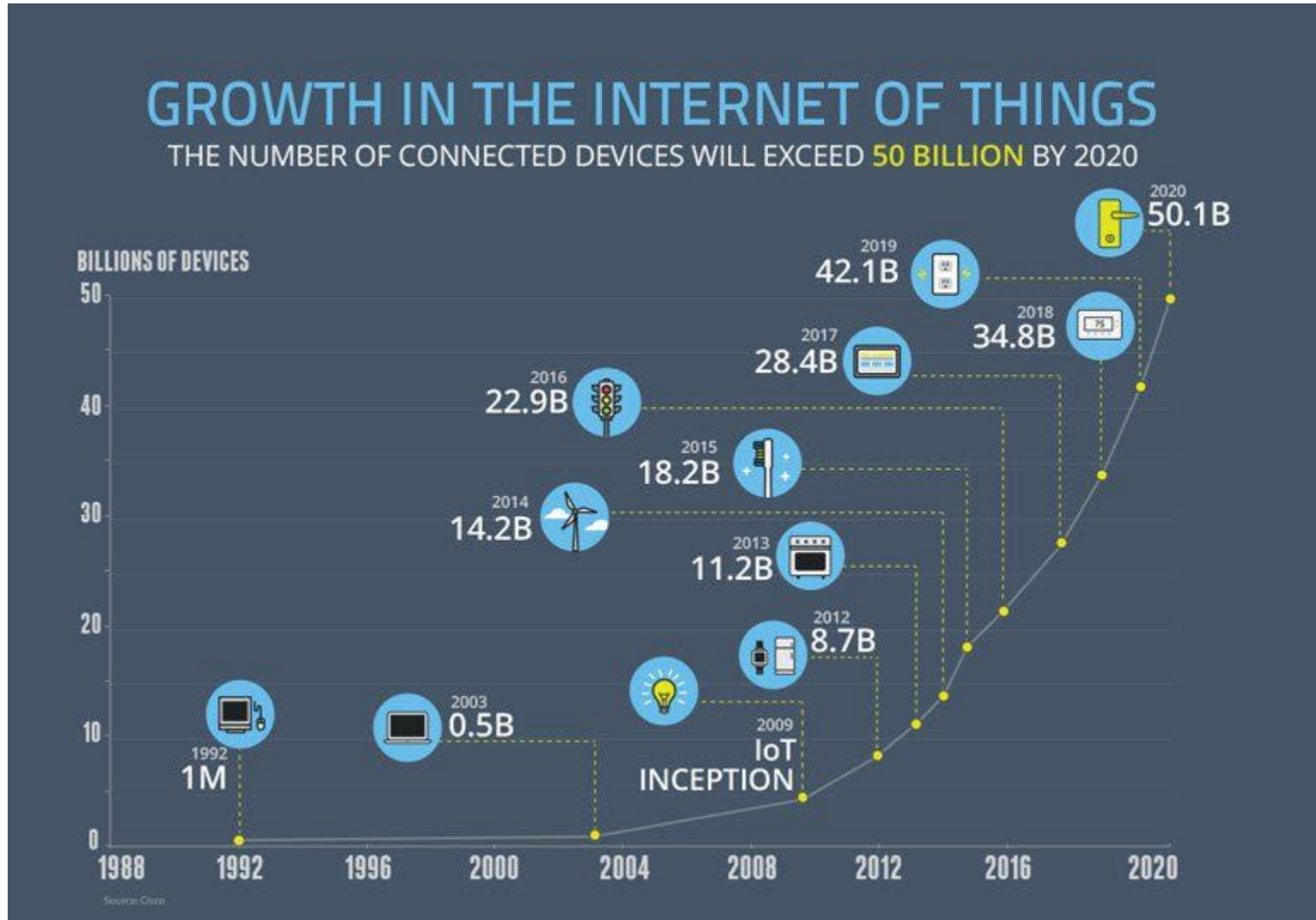


# Cloud Computing

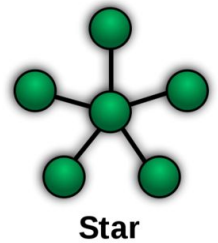




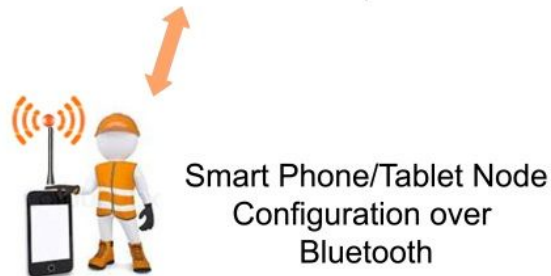
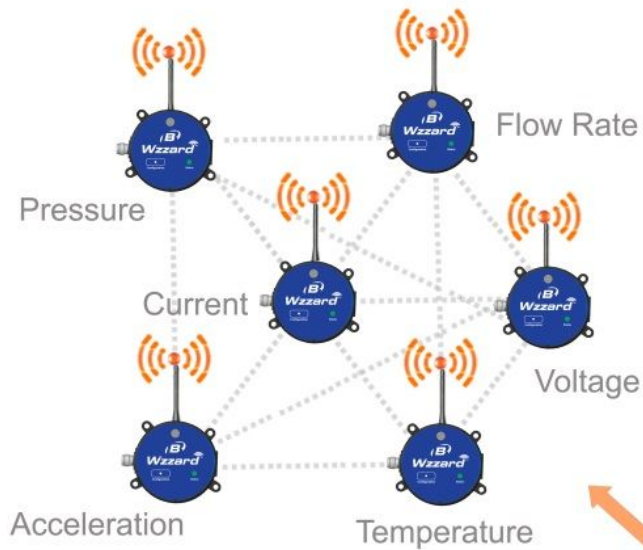
# Ubiquity & Density of IoT



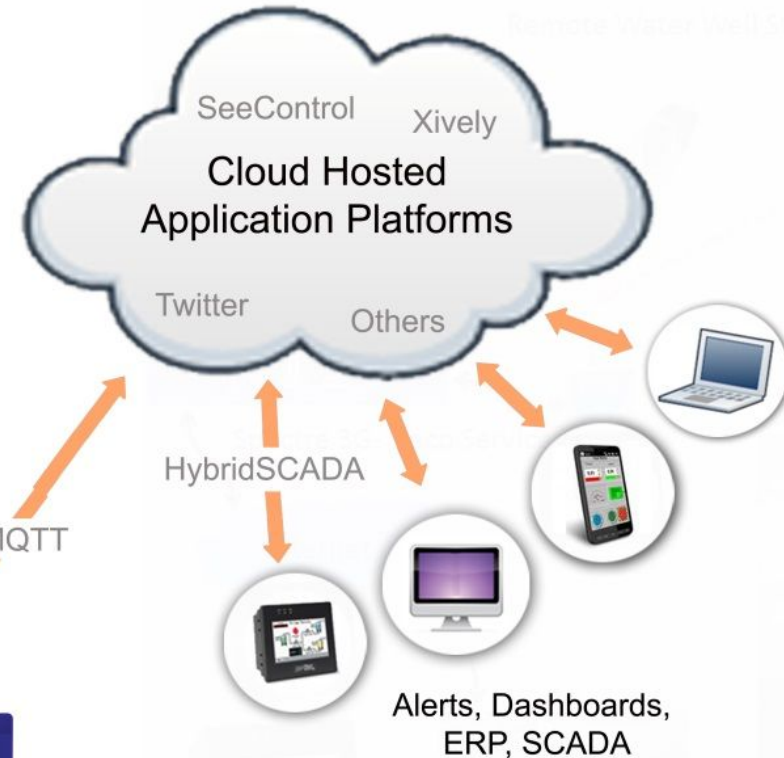
# Current Network Topology



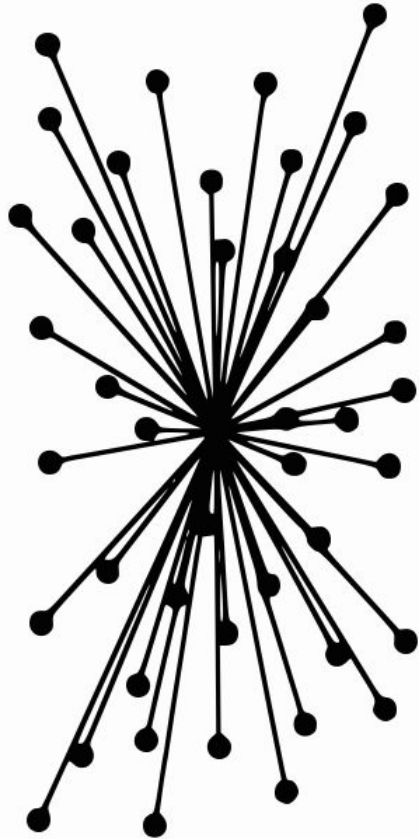
Frequency & Path Diverse  
Self-Managing Mesh



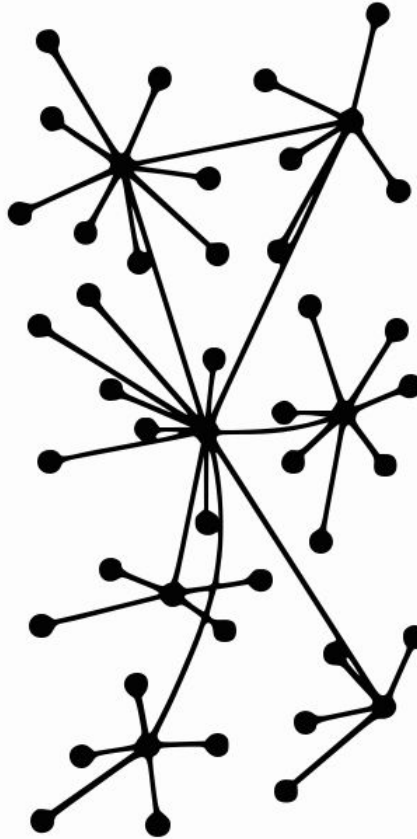
MQTT



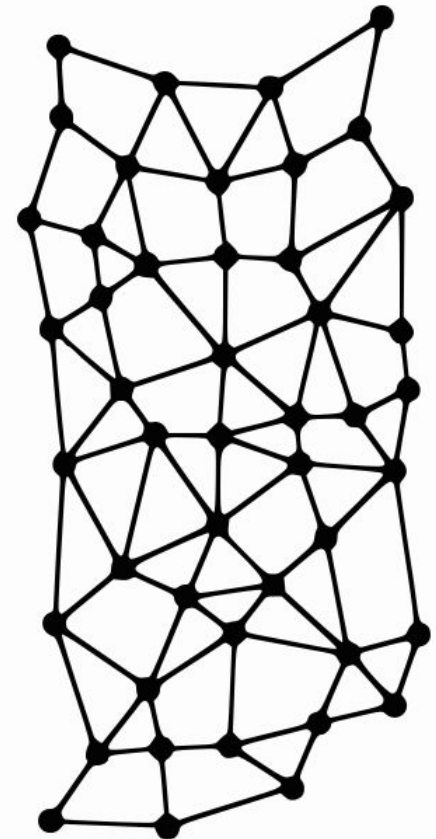
# Centralized, Decentralized & Distributed Networks



Centralized



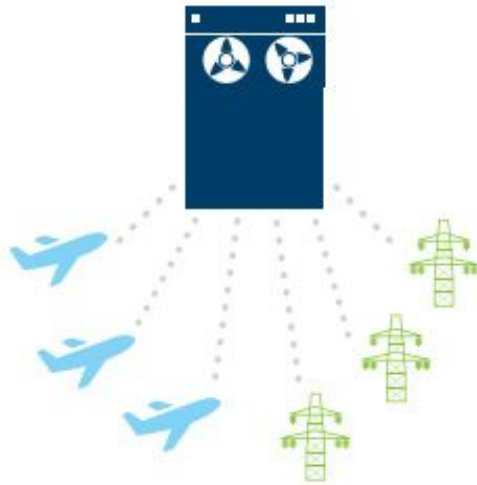
Decentralized



Distributed

# From Centralized to Decentralized & Distributed

Before 2005



Closed and centralized  
IoT networks

Today



Open access IoT networks,  
centralized cloud

2025 and beyond



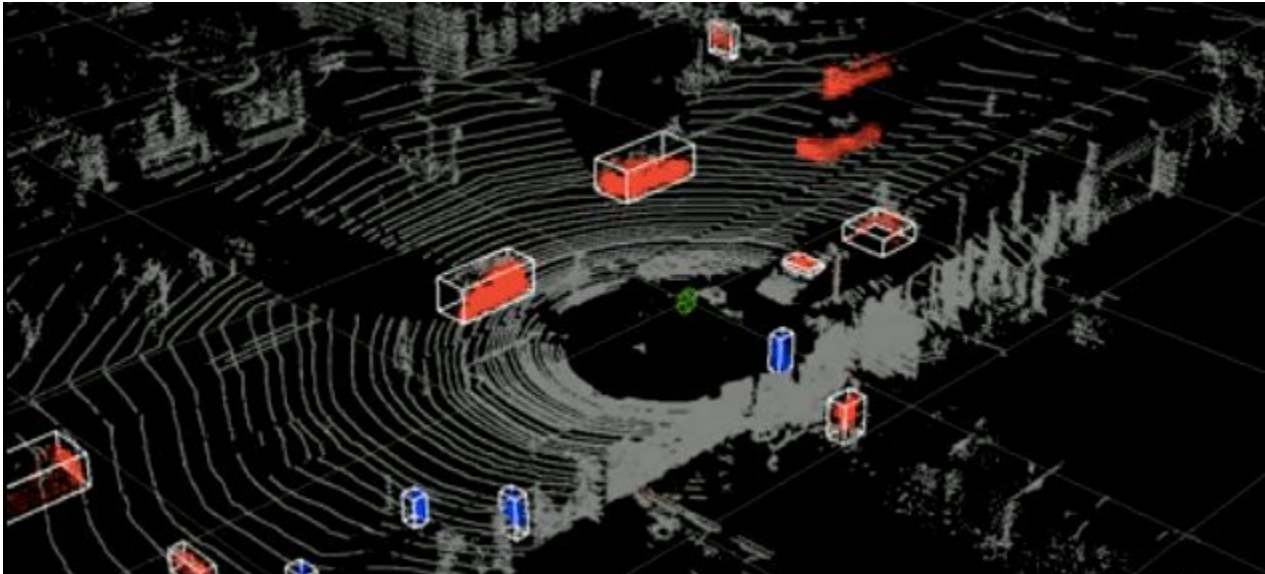
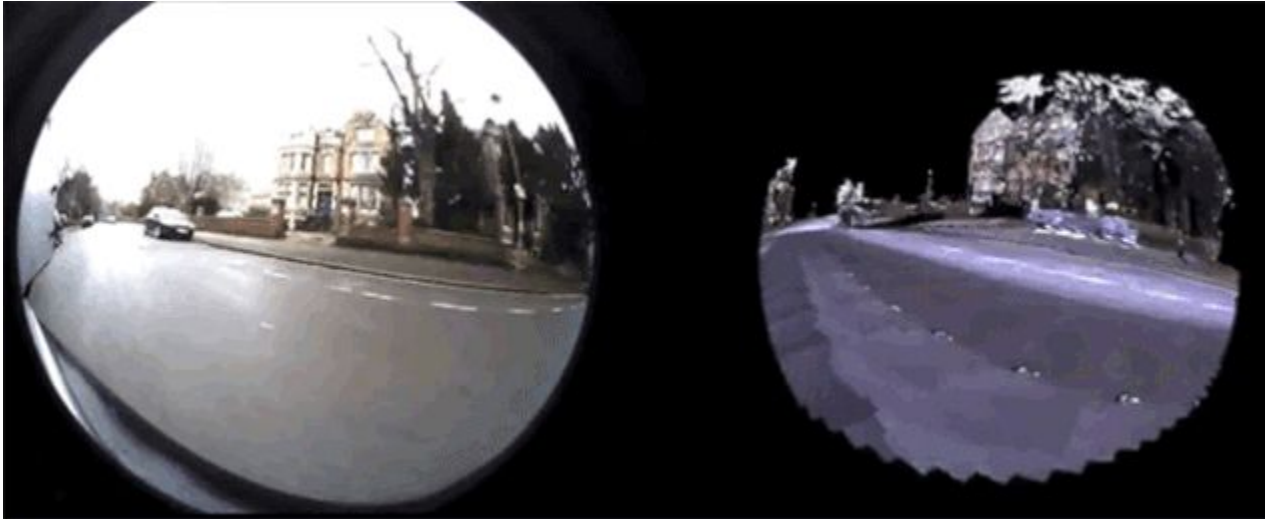
Open access IoT networks,  
distributed cloud



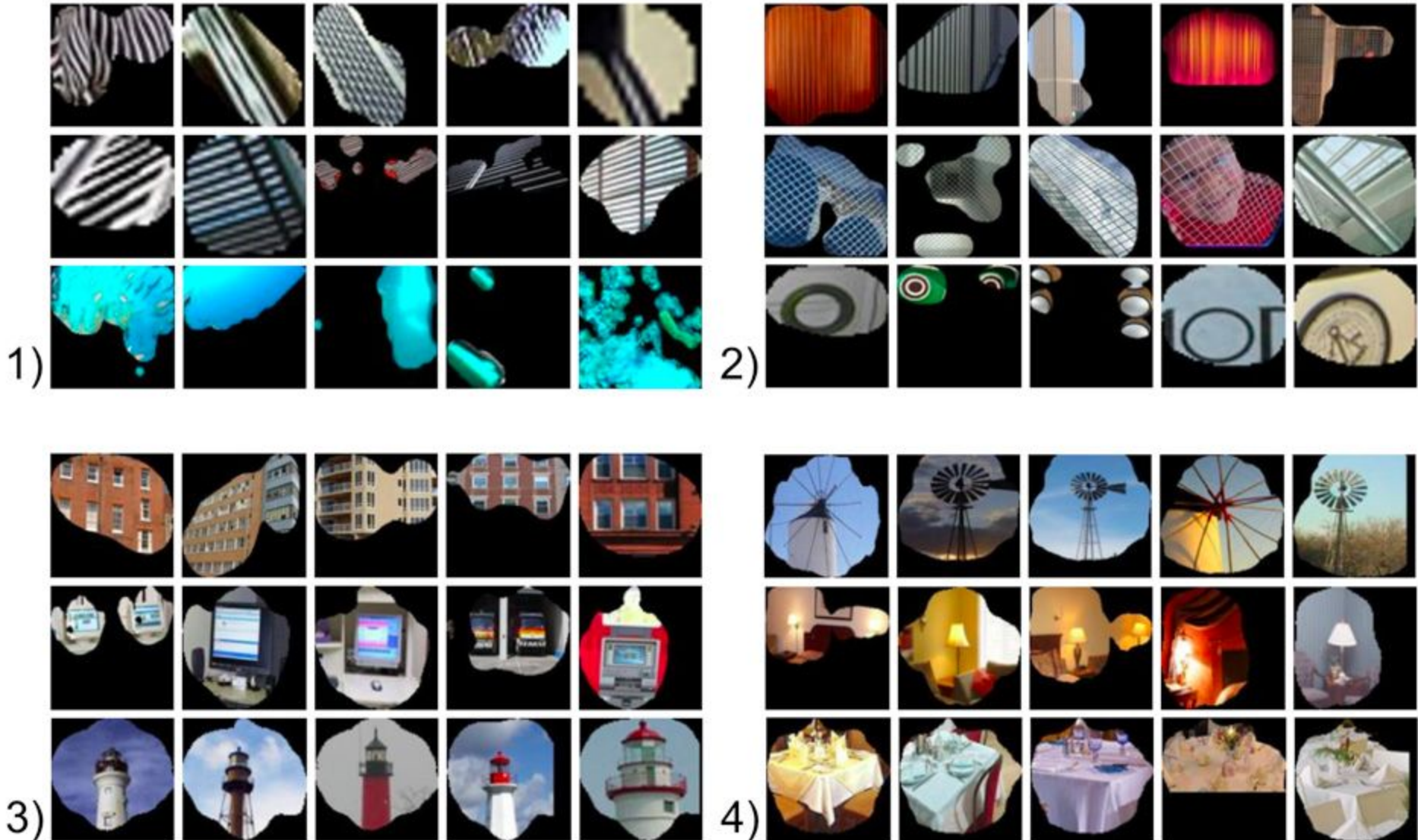
# Real-Time Processing: Boston Dynamics WildCat



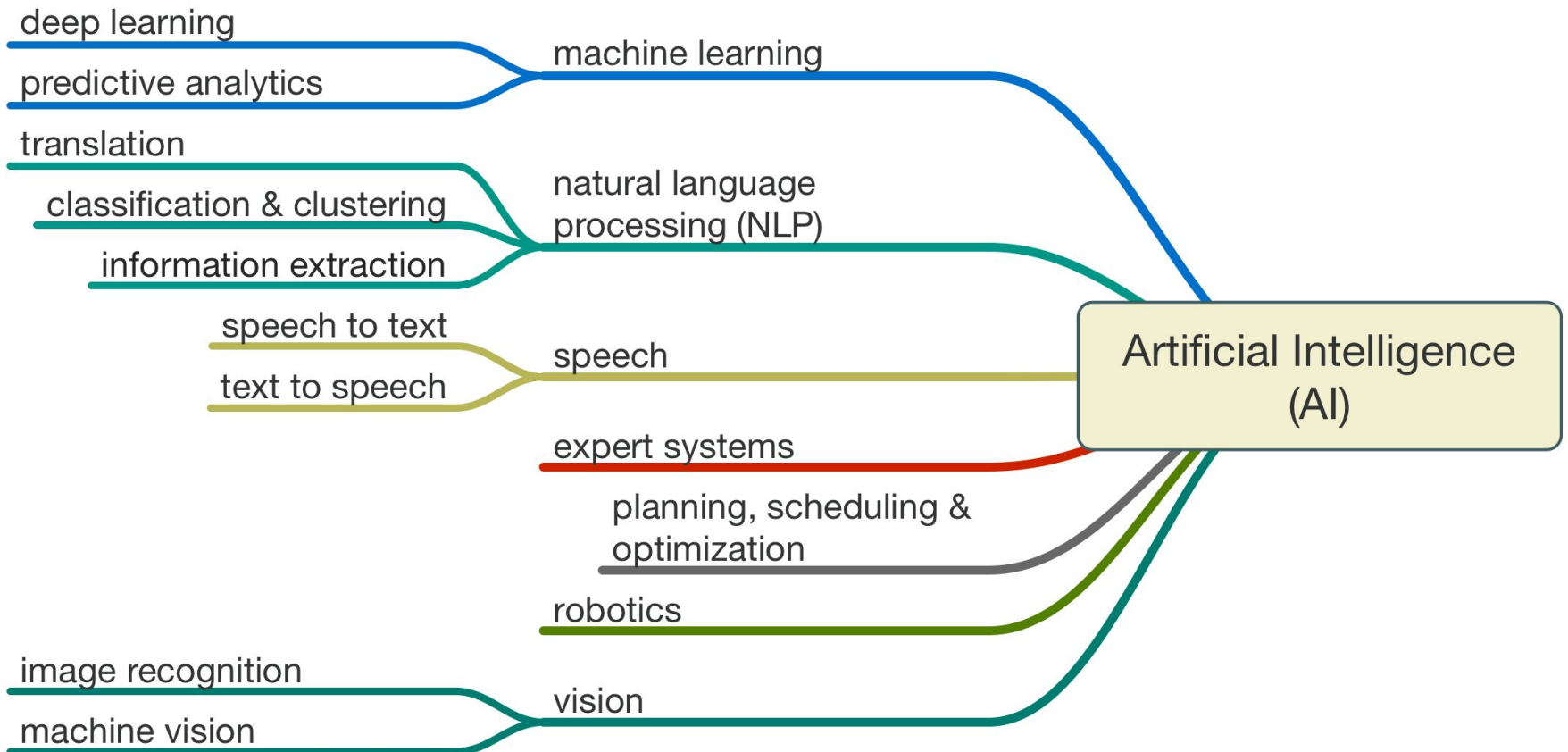
# Real-Time Processing: Driverless Cars



# System-on-a-Chip (SoC): MIT Eyeriss Chip



# Artificial Intelligence

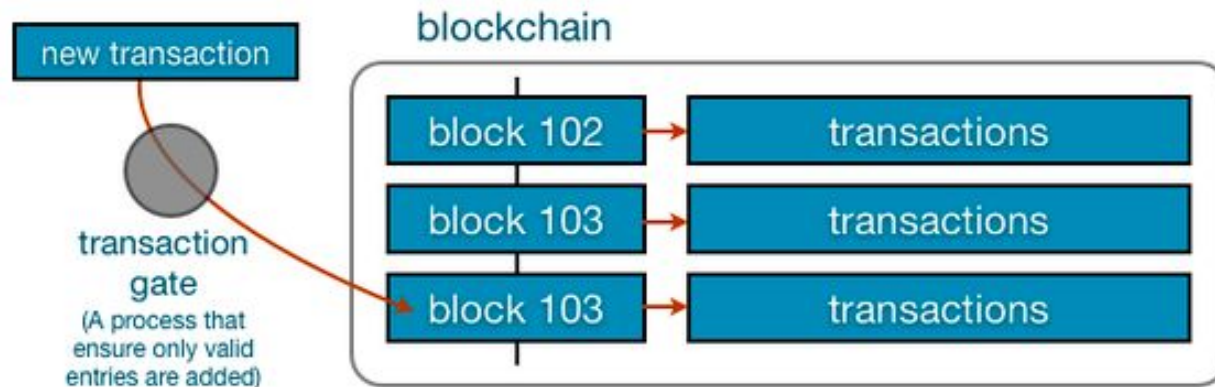




# Blockchain

## How blockchain works

A blockchain is a database shared by every participant in a given system. The blockchain stores the complete transaction history of a cryptocurrency or other record keeping system.



Transactions aren't recognized until they are added to the blockchain. Tampering is immediately evident, and the blockchain is safe as record because everyone has a copy. The source of discrepancies is also immediately obvious.

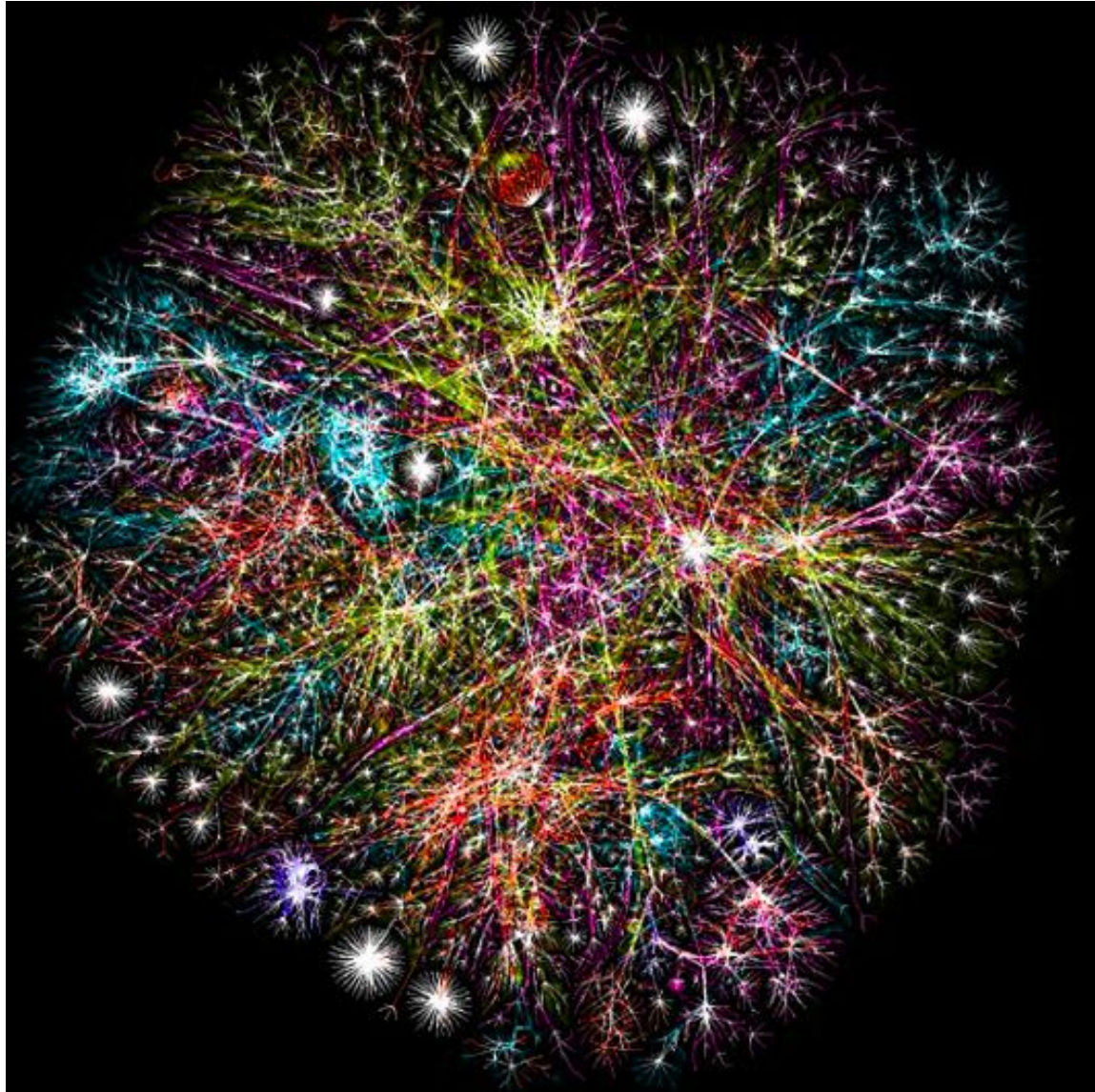
From <http://zdnet.com/blog/hinchcliffe> on  by Dion Hinchcliffe

# So What?





# New Internet



# 2005 vs. 2013





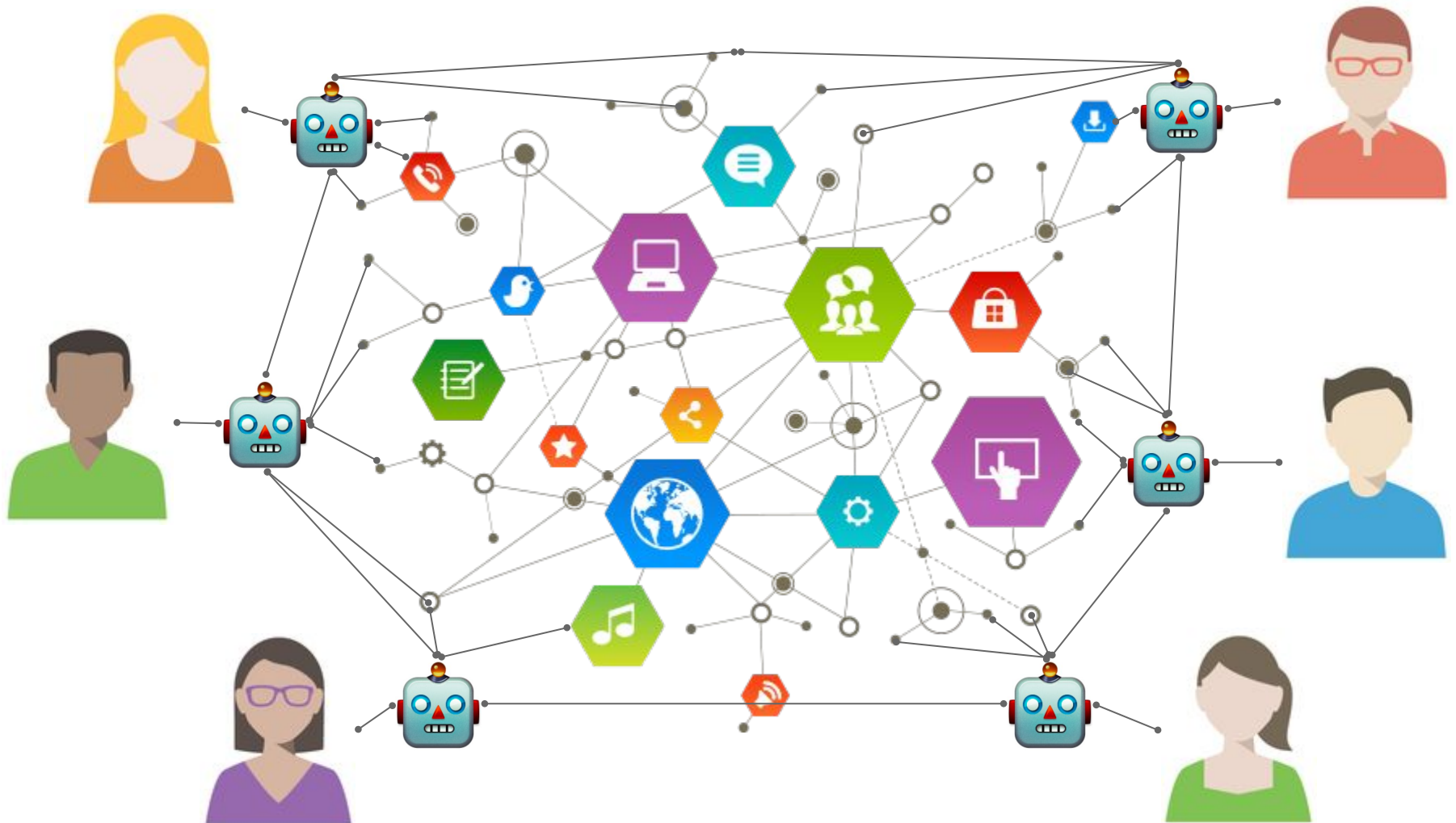
# Business Model Disruption



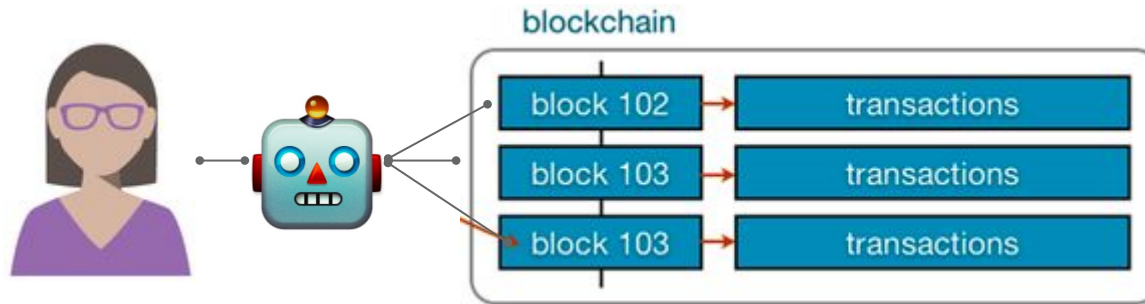
# The Era of Robots & Autonomous Things



# Personal Neural Networks: Ambient AI Agents



# Orchestration of Agents, Autonomous Things, Apps & Systems



Start Driverless Car

Pick Up Daughter at School

Drive Her to Piano Class

Drive Her Home





# Future of Human Computer Interface



NLP





# Contact

**Scott Amyx**

Founder & CEO

[scott.amyx@amyxmckinsey.com](mailto:scott.amyx@amyxmckinsey.com)

+1 415.621.9760