

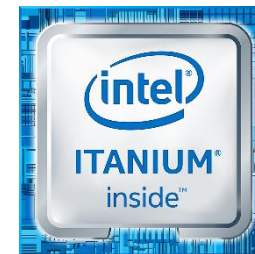
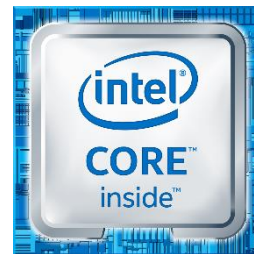
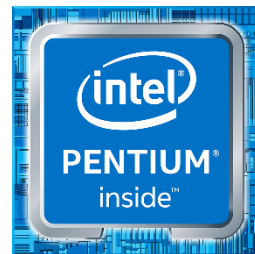
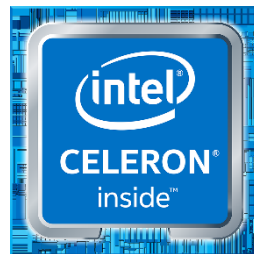
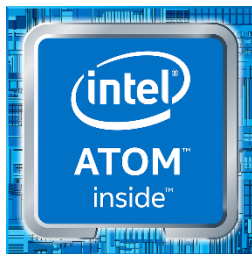
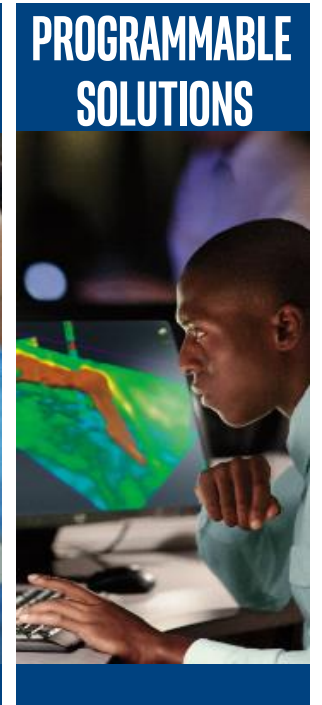
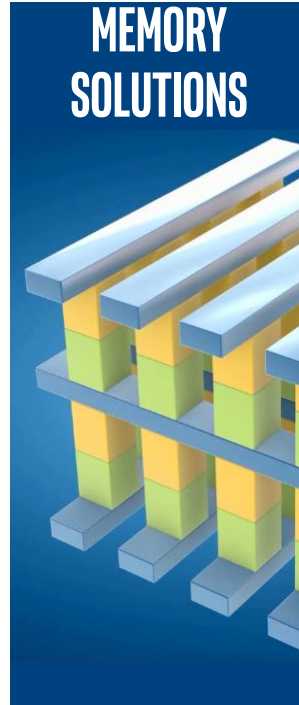
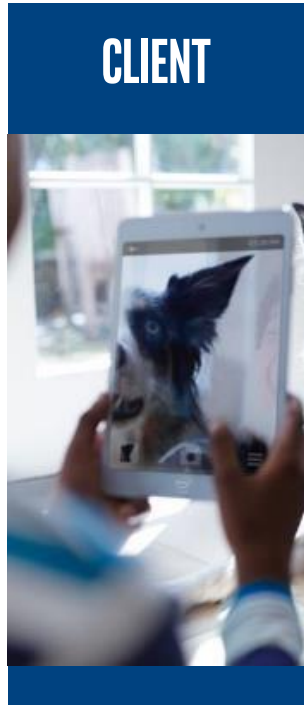


# The Power to Transform our World through Computing + X

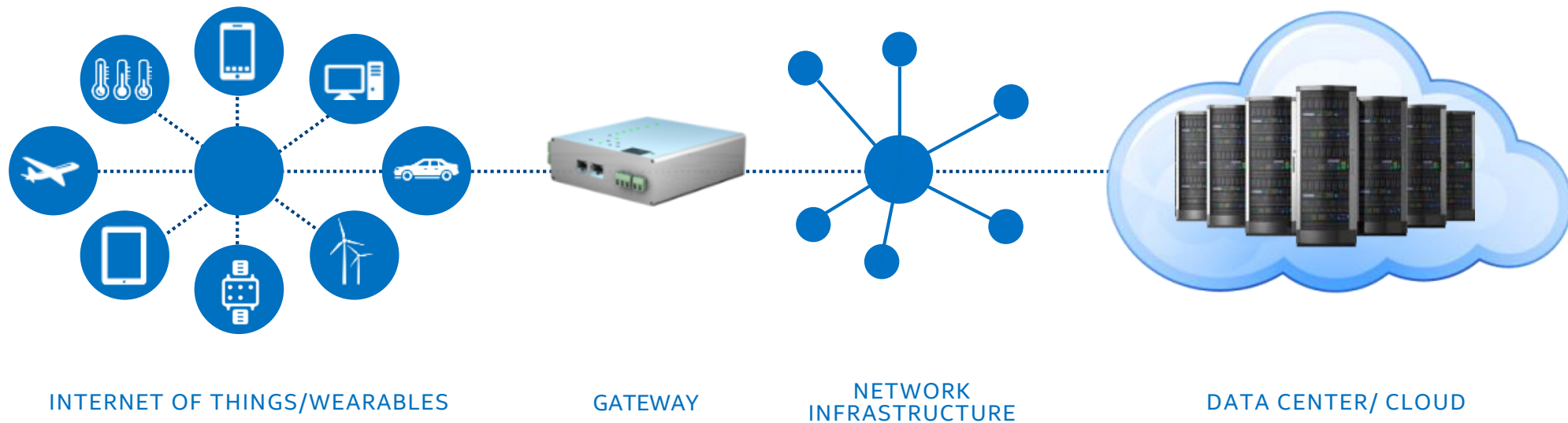
**Monica Martinez-Canales, Ph.D. ([monica.martinez-canales@intel.com](mailto:monica.martinez-canales@intel.com))**  
**Senior Principal Engineer**  
**Data Center Group**



# Intel delivers end to end solutions



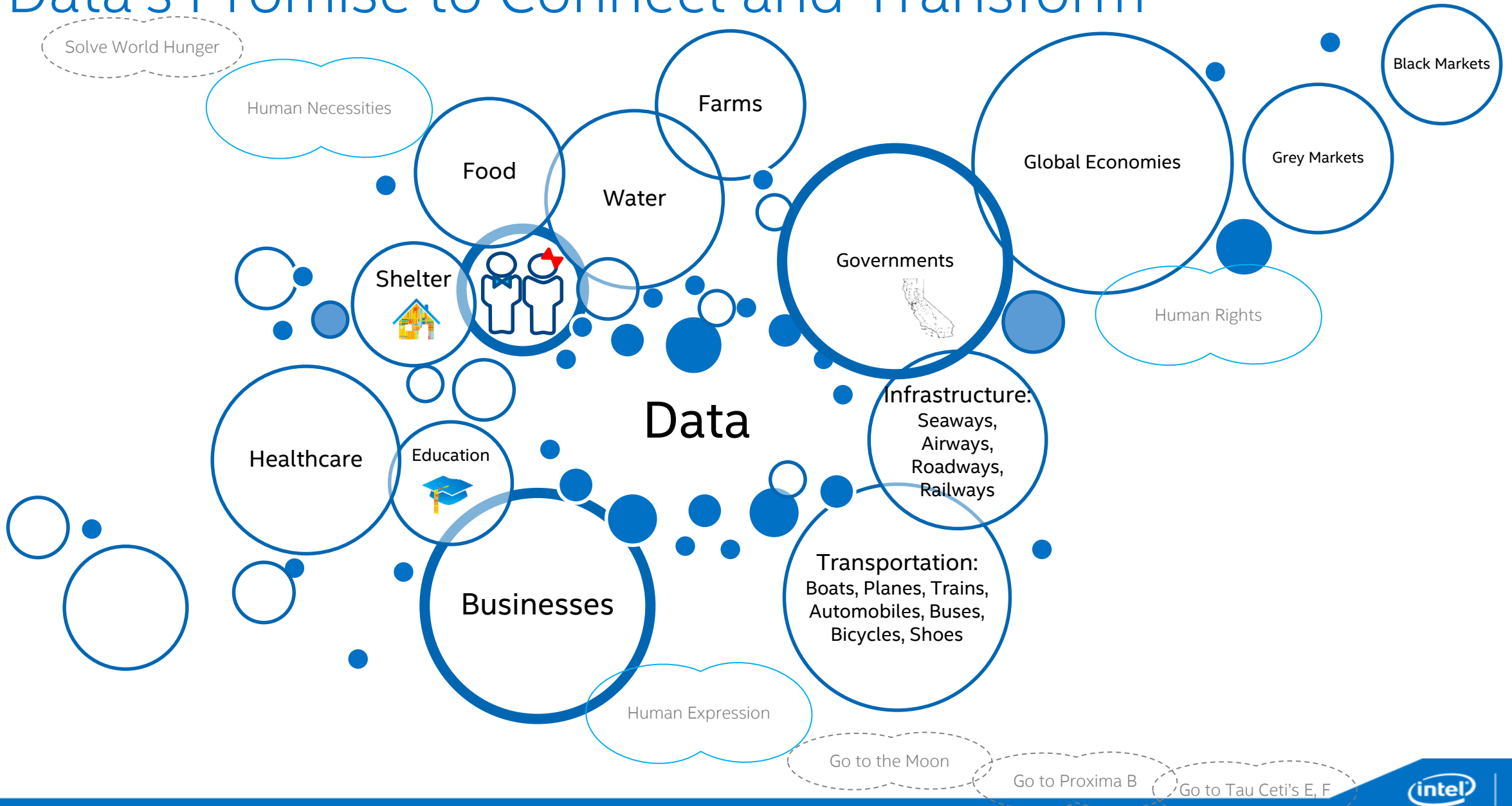
# Data is the transformative catalyst



\*50 Billion devices by 2020

\*44 ZB Data by 2020

# Data's Promise to Connect and Transform

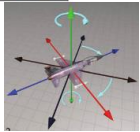
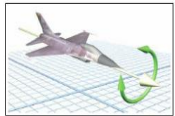


# Understand Markets under Transformation

Shipping



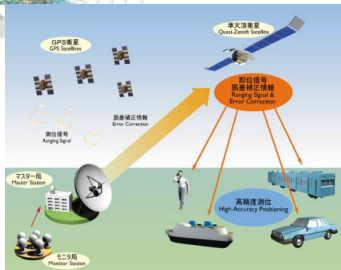
Drones



Space & Defense



Satellite Navigation



Transportation:

Mapping, localization, routing, transport

Financial Services



Engineering Application

Quantum Computing

Autonomous Vehicle



Supply Chains reinvented:  
Operations research,  
Inverse modeling

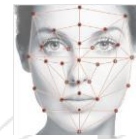
Computational Models

Computational Physic

Mathematical Method

Robotics

Visual Compute Services



Camera Geometry

Image Processing

Gaming

Unify Framework

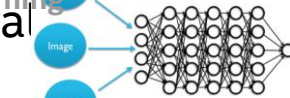
Physics

Electromagnetism

Physics

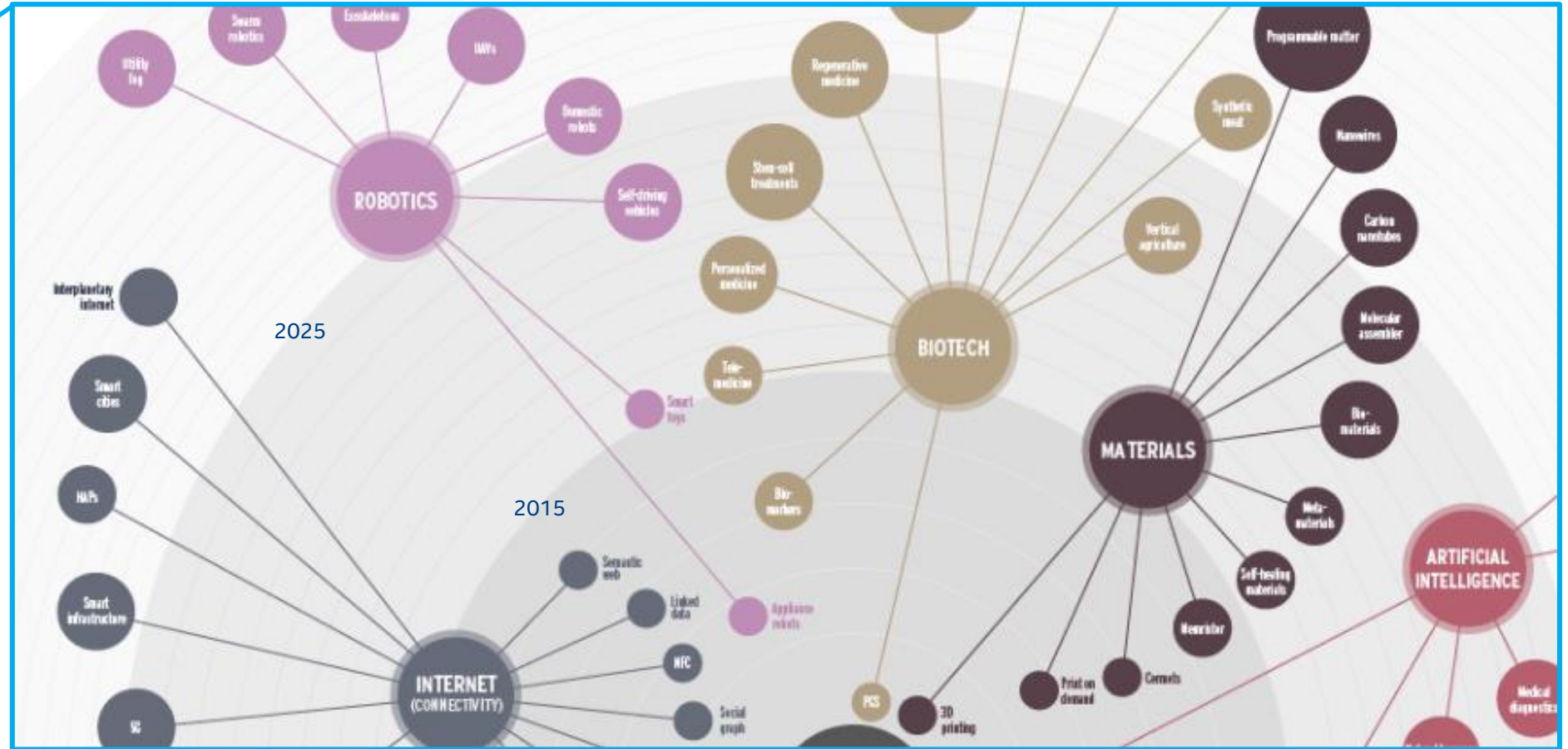
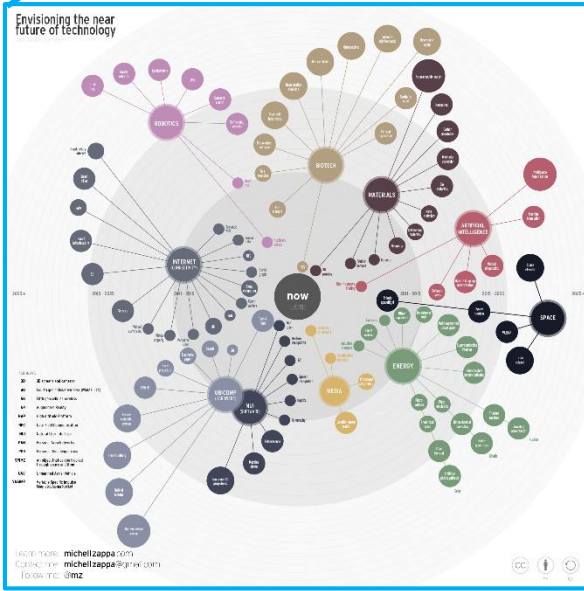
Neural Networks

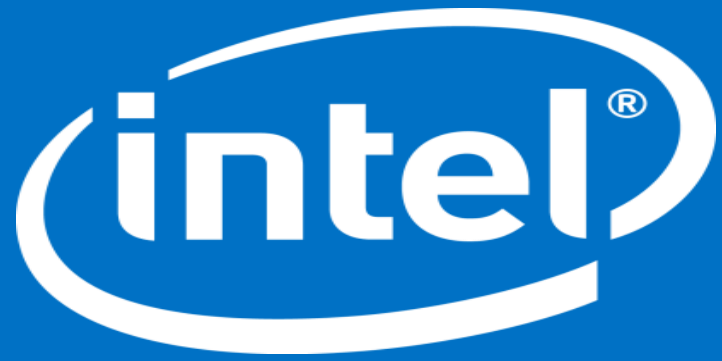
DNN for Speech  
10k hours of voice data  
training samples  
on a GPU cluster



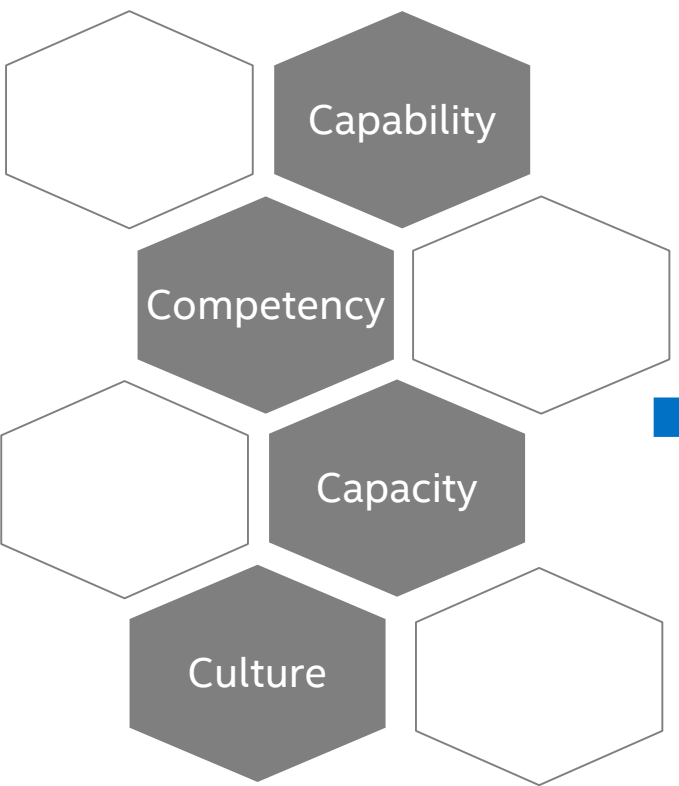
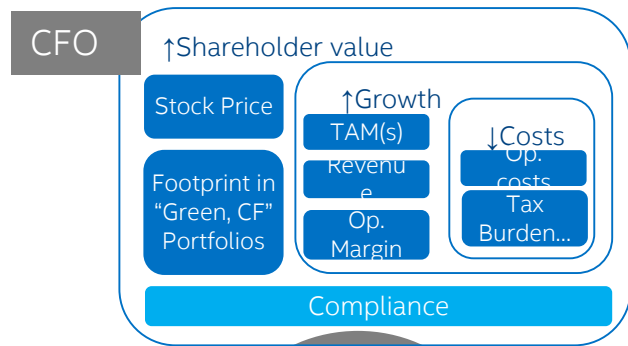
Machine Learning

# Understand Computer Science + Accelerant Disciplines

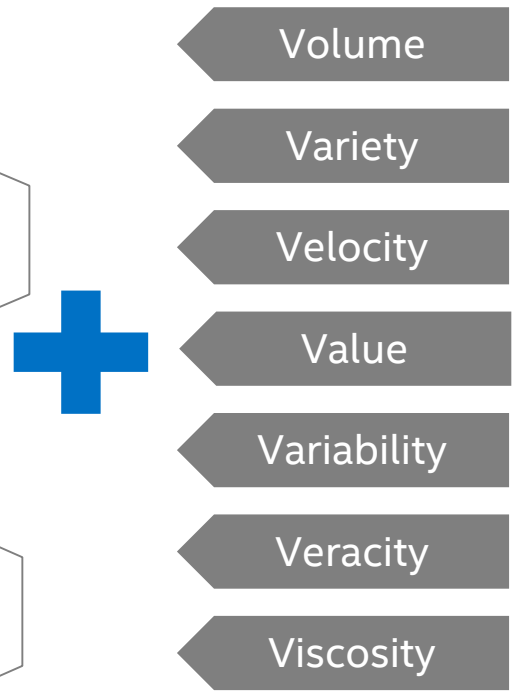




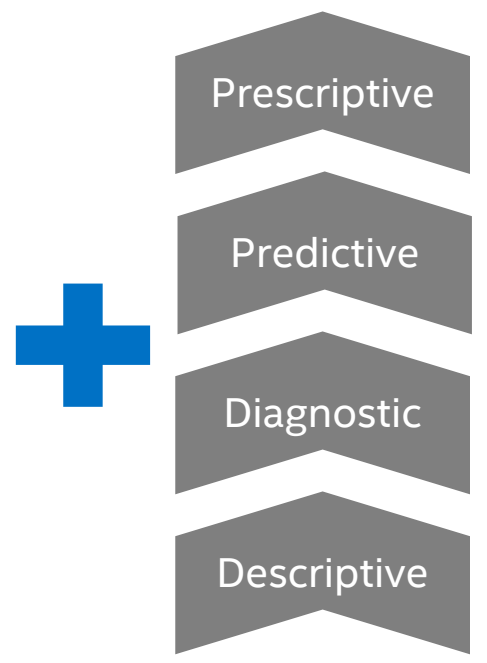
# Levers, Data, and Analytics Concepts



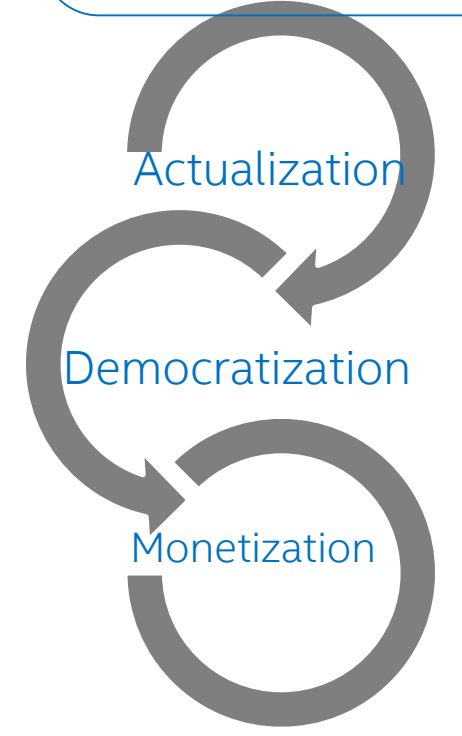
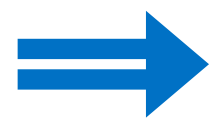
C-Suite Levers



Data Characterizations

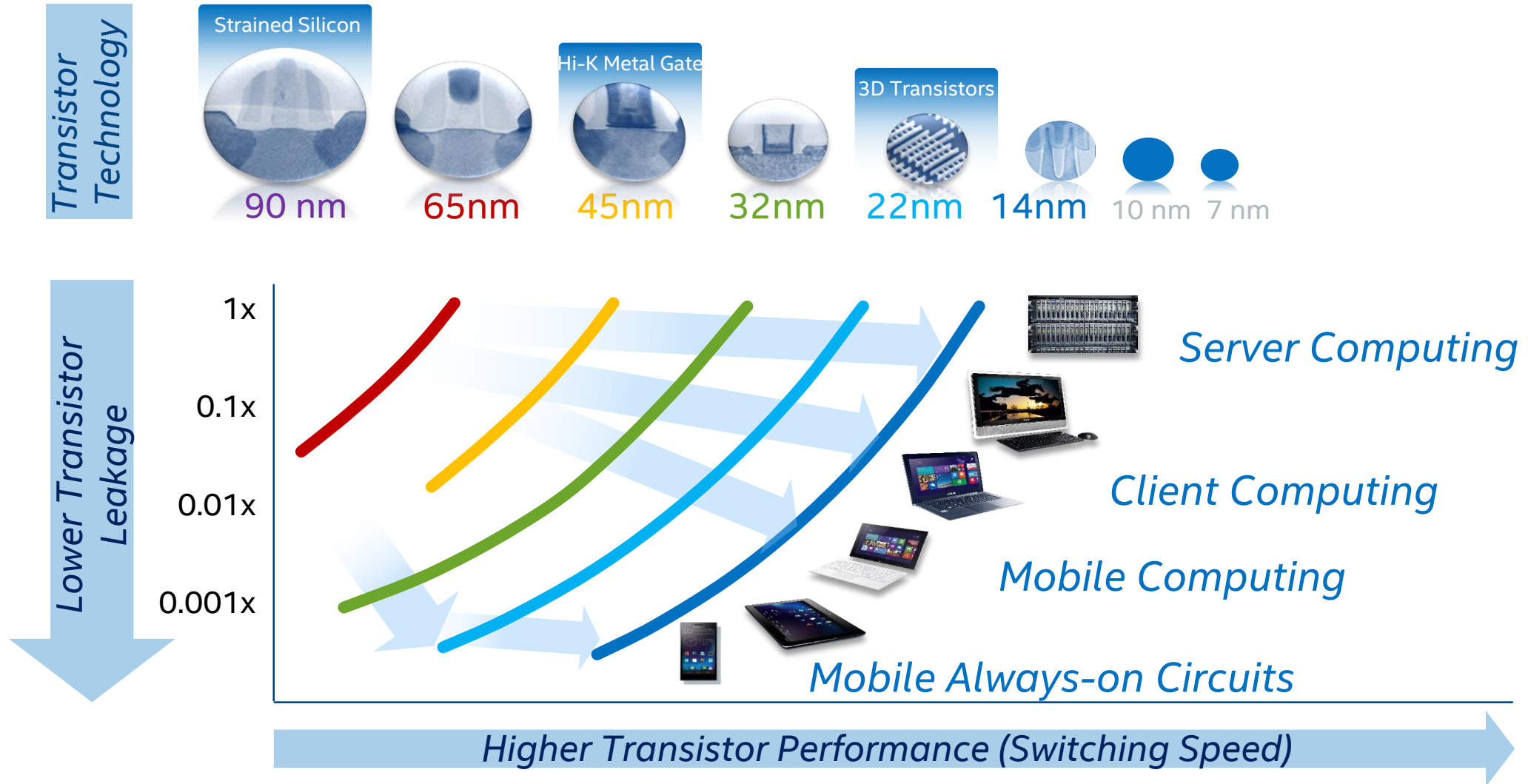


Analytics Levels



Validation  
Visualization

# Intel Corporation: *Leading Edge Process Technology*



# Understand Trends

