business oregon

where business grows

House Committee - Higher Ed. Innovation & Workforce

May 20, 2015

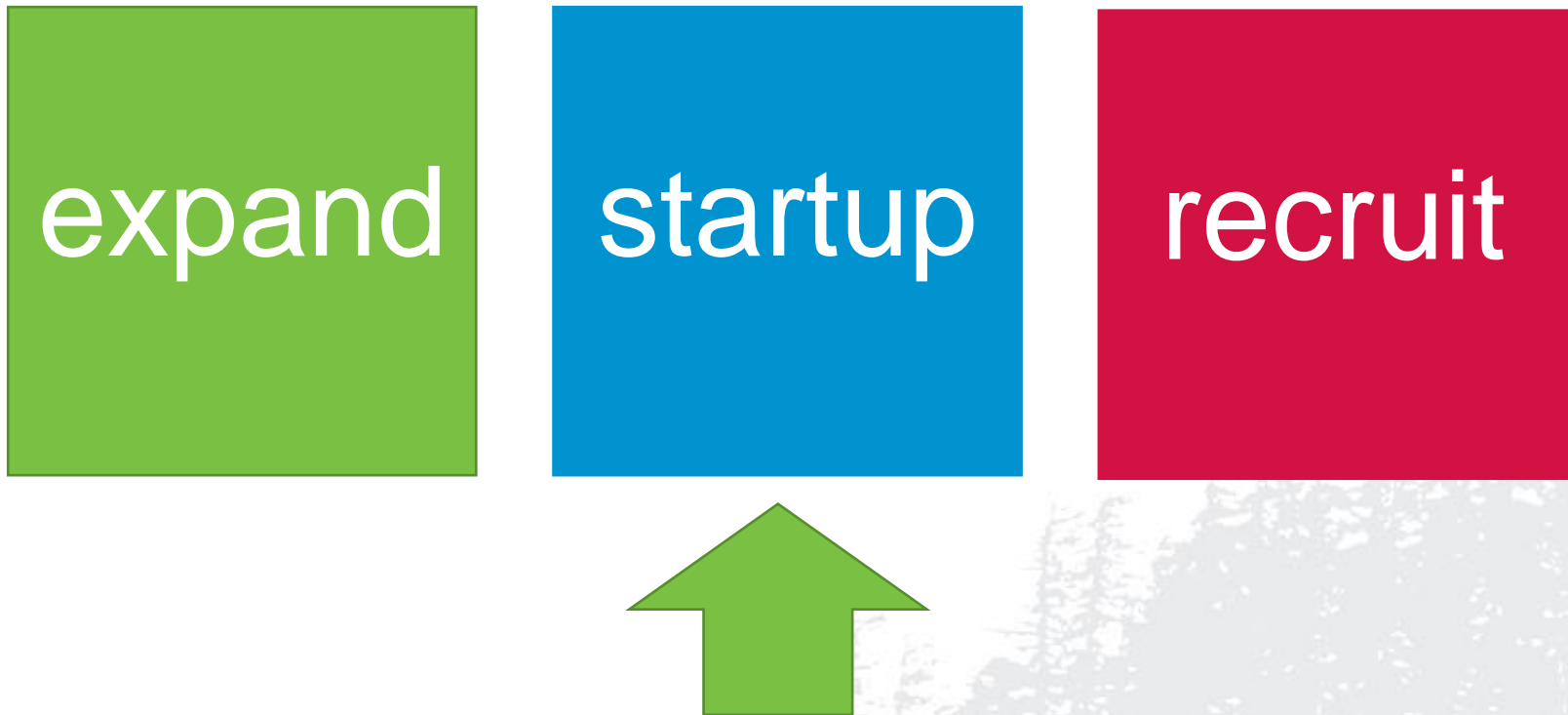Heather Stafford – Asst. Director of Innovation & Entrepreneurship (I&E)

Grow our own

business
oregon

What we do

Building blocks of economic development

Innovation & Entrepreneurship Department

GROW

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Defining Terms

ec·o·sys·tem - ˈēkōˌsistəm/

1. a biological community of interacting organisms and their physical environment.
2. (in general use) a complex network or interconnected system.
3. "Silicon Valley's entrepreneurial ecosystem"

Defining Terms

in·no·vate - ˈinəˌvāt/

1.make changes in something established, especially b
introducing new methods, ideas, or products.
2."the company's failure to diversify and innovate
competitively"
3.introduce (something new, especially a product).
4."innovating new products, developing existing ones"

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Defining Terms

en·tre·pre·neur - äntrəprəˈnər/

1. one who undertakes. one who takes on.
2. a person who organizes and operates a business or businesses, taking on greater than normal financial risks in order to do so.

Assess the Land

- Historical
- Existing
- Resources
- Culture
- Workforce
- Strengths

Till the Soil

- Investigate
- Communicate
- Champions
- Assign Roles
- Build a Plan
- Bond

Enrich

- Educate
- Train
- Find Mentors
- MeetUps
- Build Lists
- Keep it Up

Plant the Seeds

- Recruit
- Raise the Bar
- Set Expectations
- Tough Love
- Nurture Growth
- Inspire

Feed and Water

- Mentor
- Incubate
- Accelerate
- Network
- Promote
- Fund

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Innovation & Entrepreneurship (I&E)

Innovation

- STEM
- Makers/Inventors
- University Tech Transfer
- R&D, patents, prototyping
- Federal Grants (SBIR/STTR)

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Innovation & Entrepreneurship (I&E)

Entrepreneurship

- Incubators
- Accelerators
- Technical Service Providers
  - SBDCs
  - EDDs
  - Mentors, consultants

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Innovation & Entrepreneurship (I&E)

Capital

- Crowdfunding (Kickstarter, Kiva)
- Intrastate Exemption (CPO)
- Oregon Growth Board
  - Microfinance
  - Seed Funds
  - Angel Contests
  - Angel Groups
  - Venture

The Road Ahead

"The most important skill of the future will be the ability to learn and adapt."
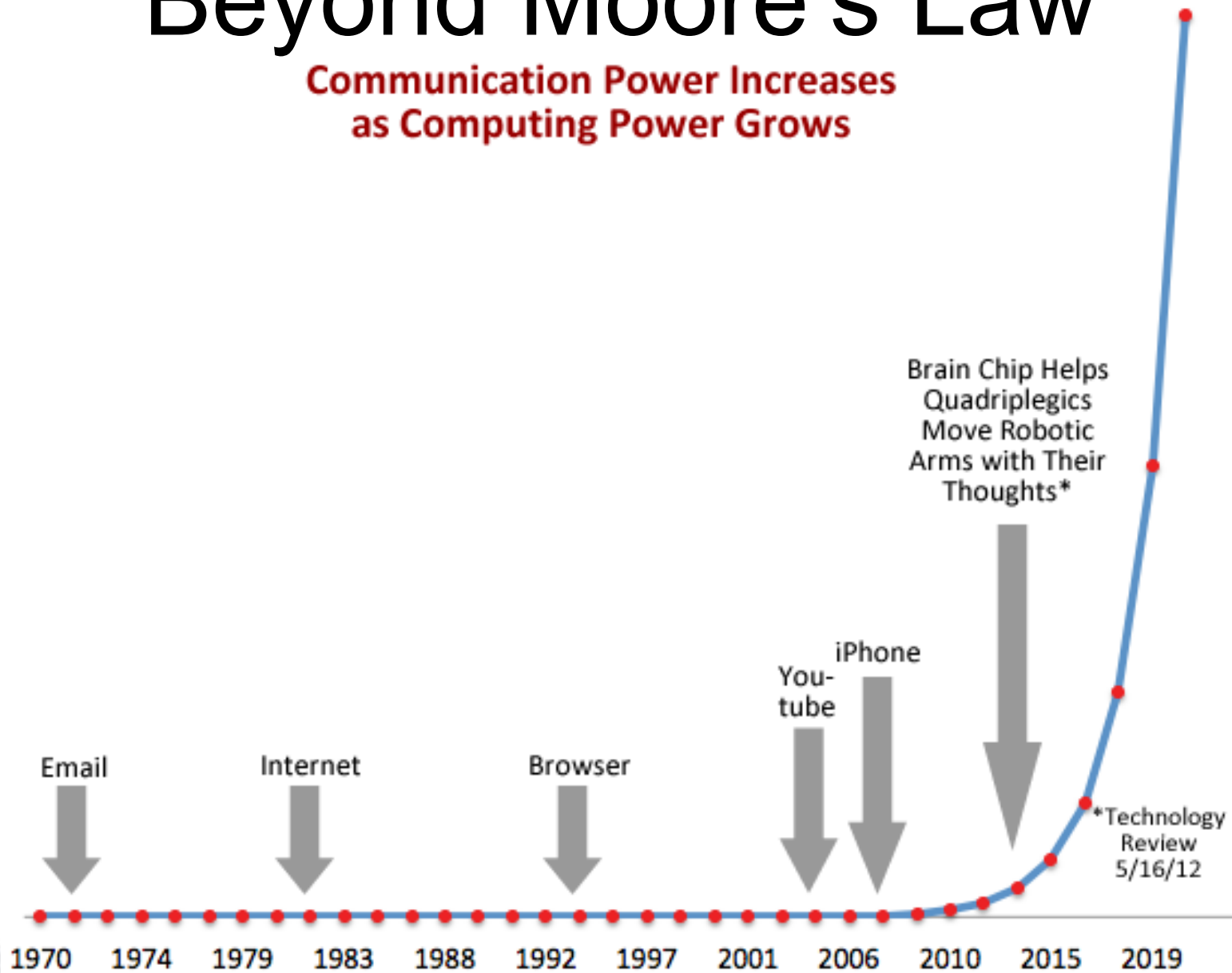– Vivek Wadhwa (Stanford, SingularityU)

Moore's Law

Computing power doubles every two years since 1970

Beyond Moore's Law

Communication Power Increases as Computing Power Grows

Brain Chip Helps
Quadriplegics
Move Robotic
Arms with Their
Thoughts*

iPhone

You-
tube

Email

Internet

Browser

*Technology
Review
5/16/12

1970   1974   1979   1983   1988   1992   1997   2001   2006   2010   2015   2019

3D Printing
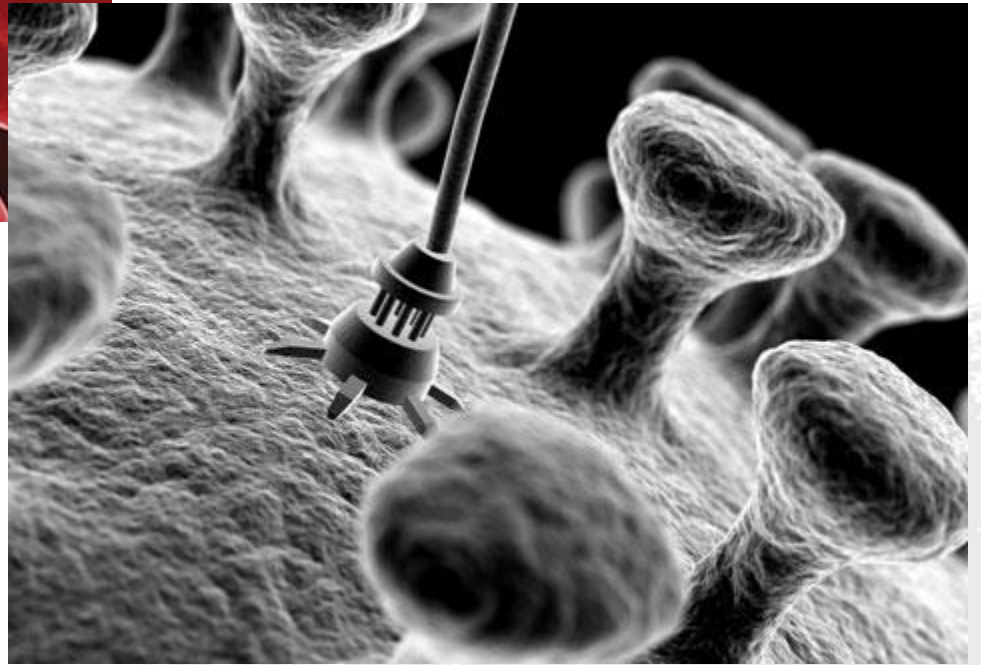
3D Printing

3D Printing
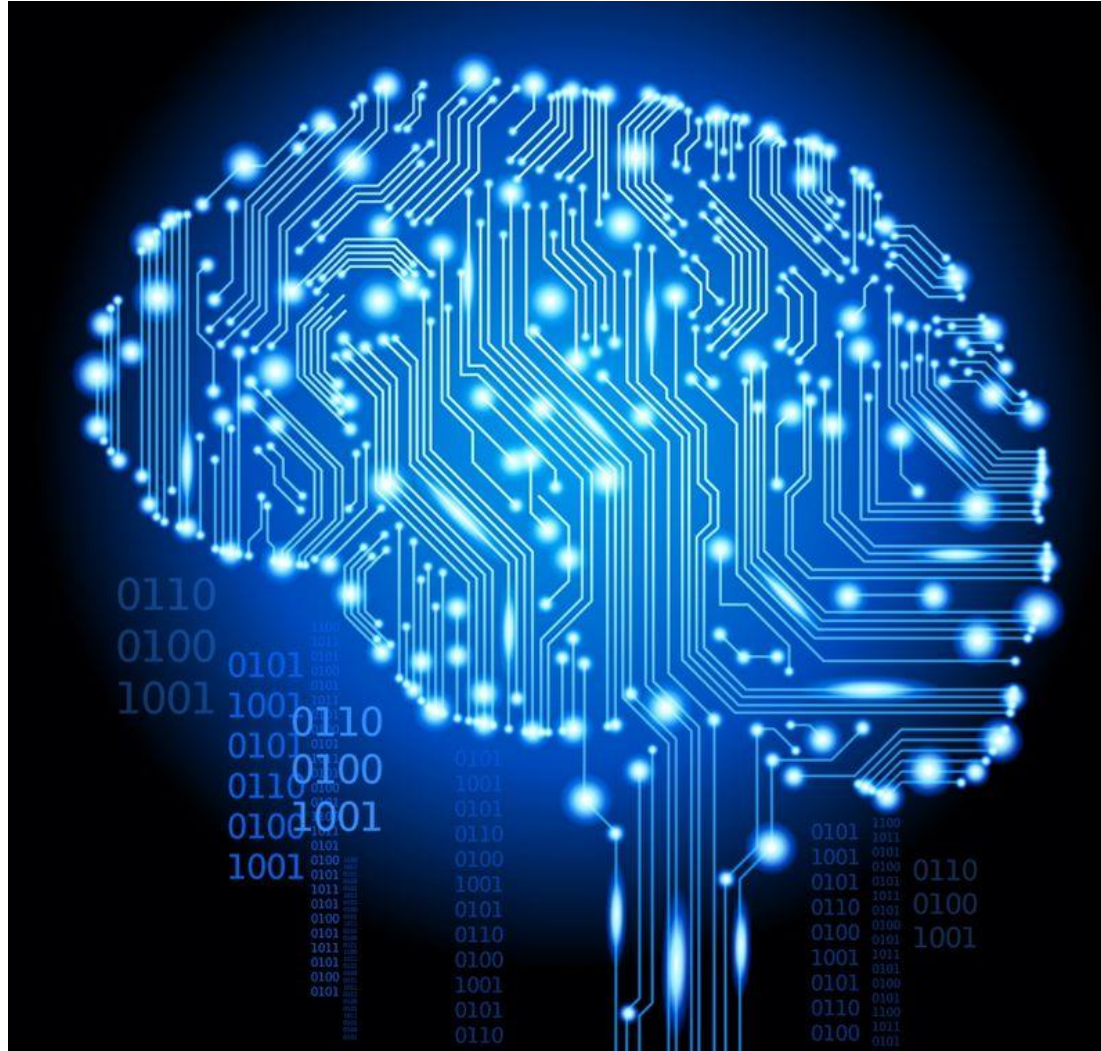
Transportation

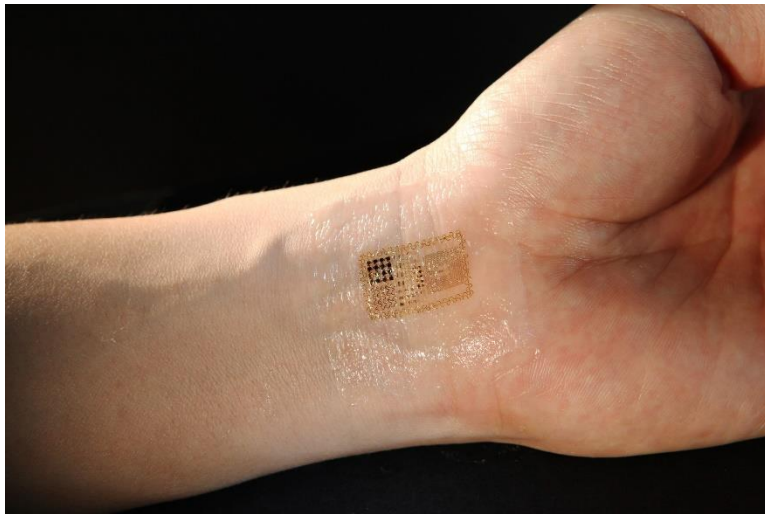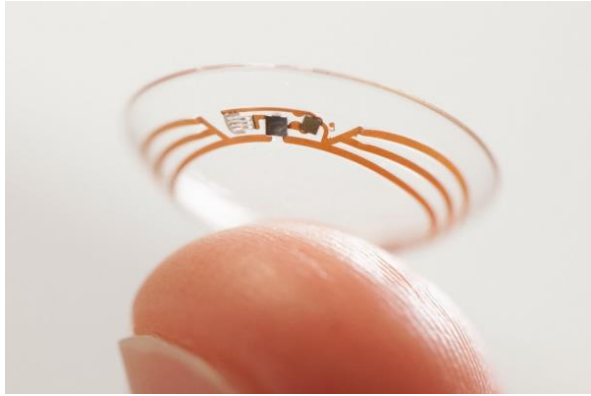# Transportation
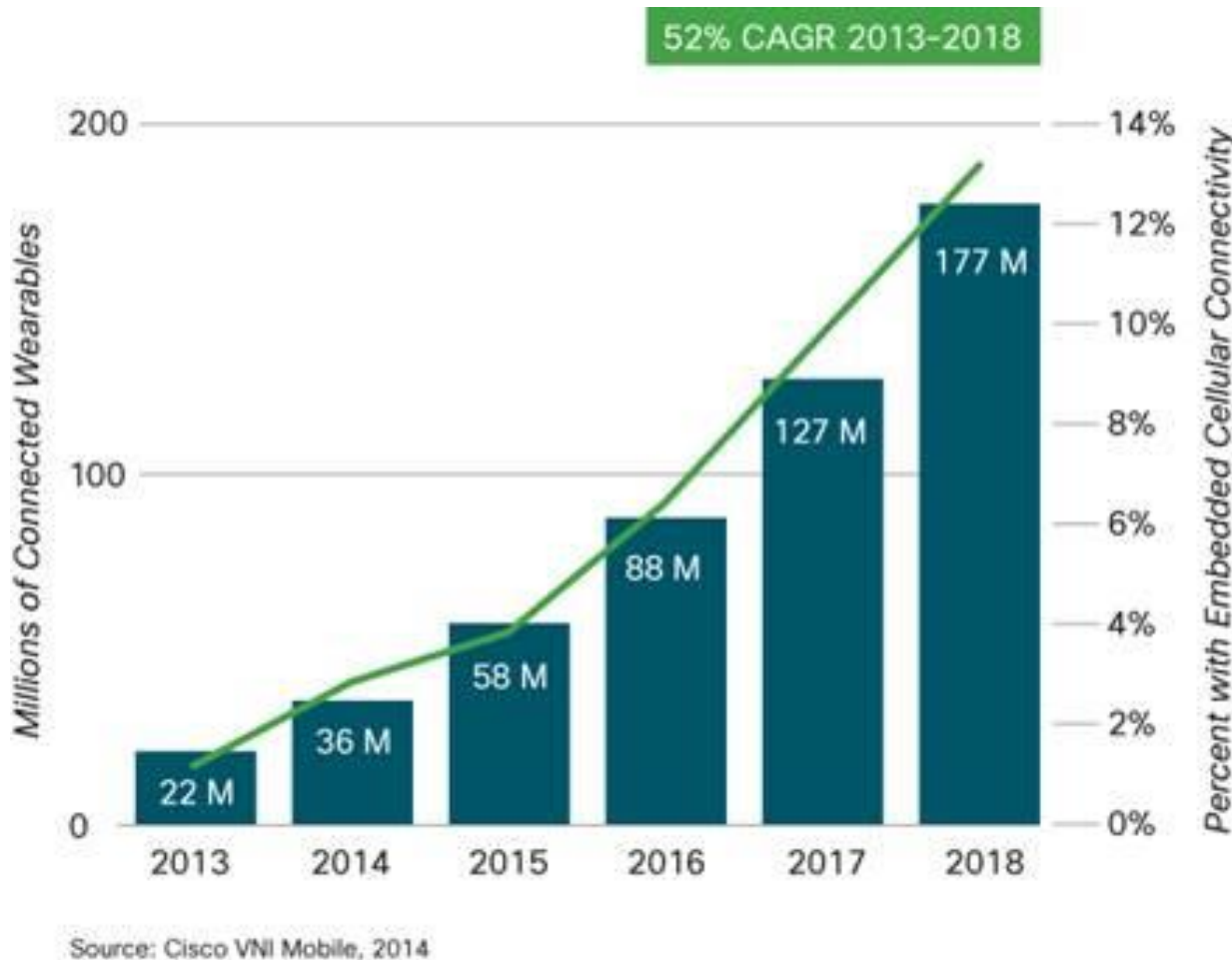
Robotics

Nano Robotics

Artificial Intelligence (AI)
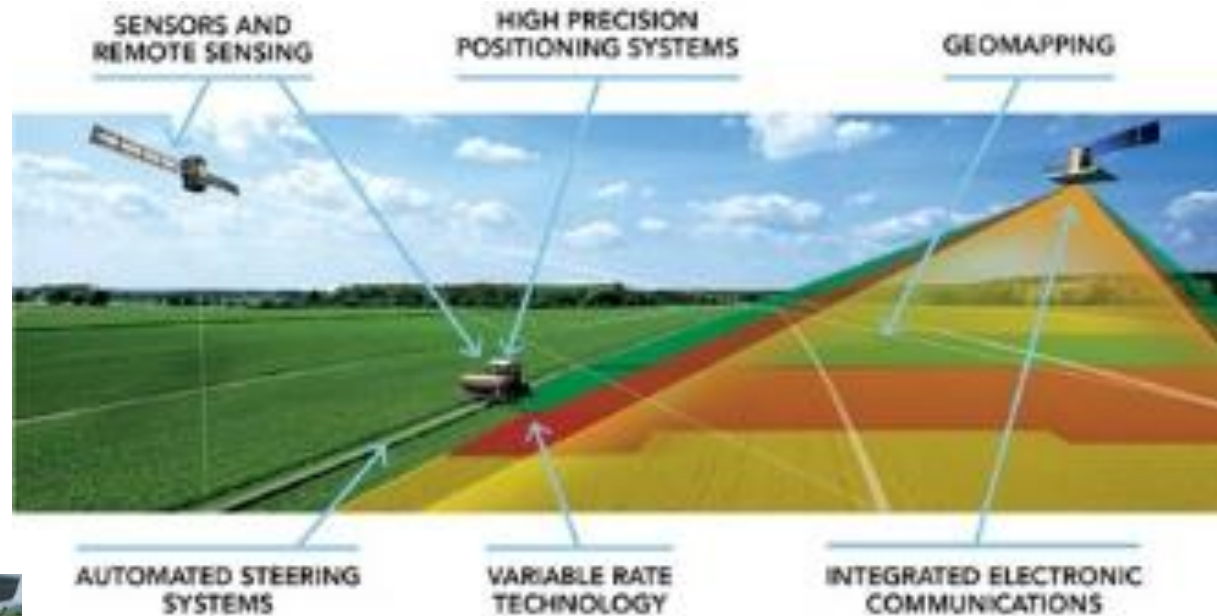
Internet of Things (IoT)

Wearable Tech

Wearable Tech

52% CAGR 2013-2018

Source: Cisco VNI Mobile, 2014

Precision Farming (Ag Tech)

SENSORS AND REMOTE SENSING

HIGH PRECISION POSITIONING SYSTEMS

GEOMAPPING

AUTOMATED STEERING SYSTEMS

VARIABLE RATE TECHNOLOGY

INTEGRATED ELECTRONIC COMMUNICATIONS

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Kanth Gopalpur – EIR at Innovation & Entrepreneurship (I&E)

Kanth Gopalpur Entrepreneur in Residence

- Entrepreneur
- Investor
- Ecosystem Builder
- TiE Oregon
- State Entrepreneur in Residence

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Entrepreneur in Residence

- EIR Role
- Role at Business Oregon I&E
- Strengths and Weaknesses in Oregon
- Opportunities ahead
- How the state can support
  - Incentivize, catalyze, partner, invest, provide framework, recruit talent

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