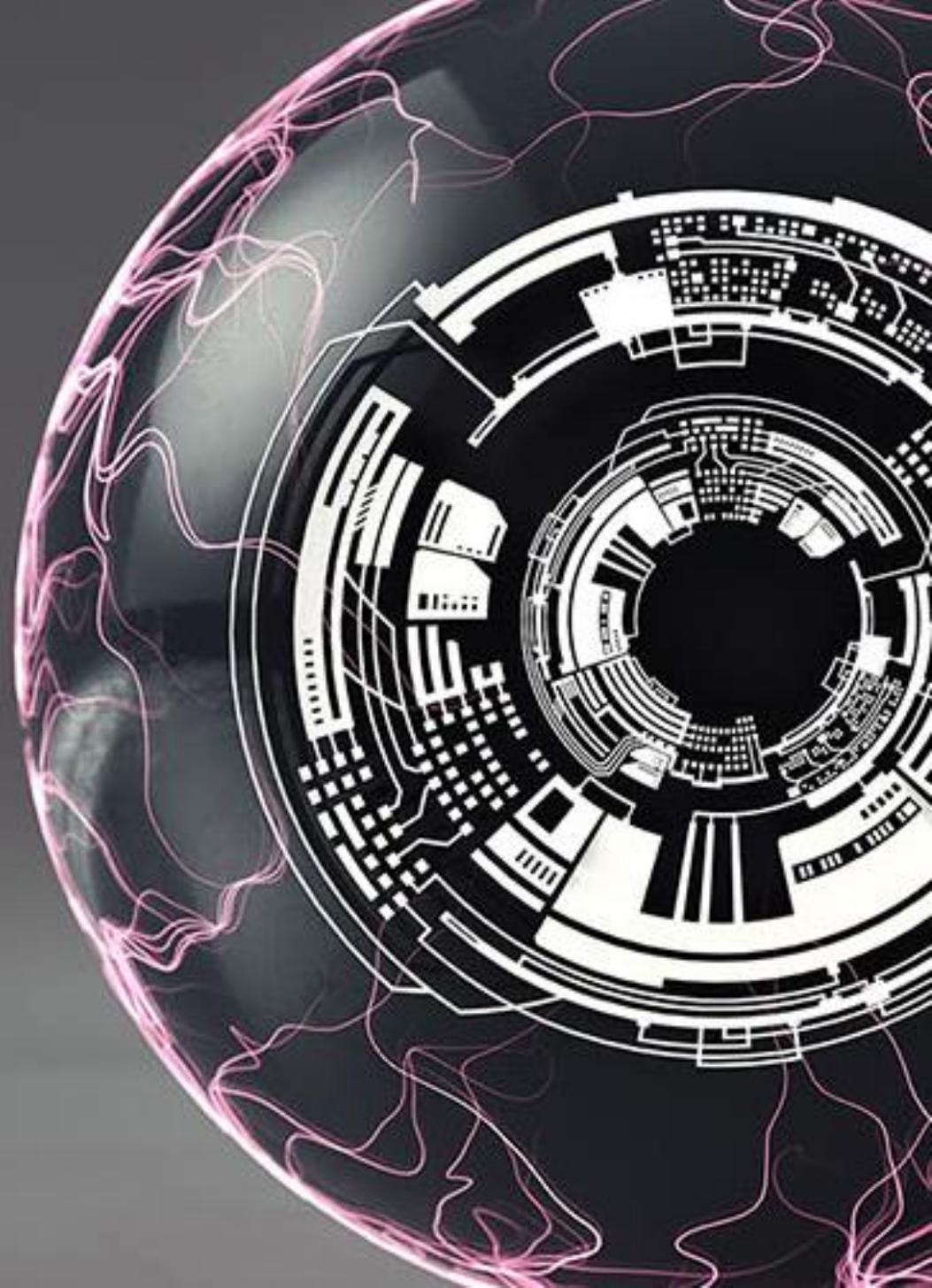


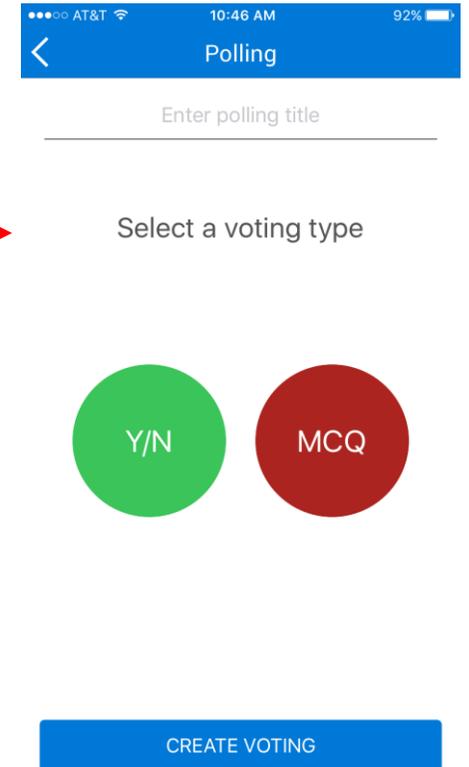
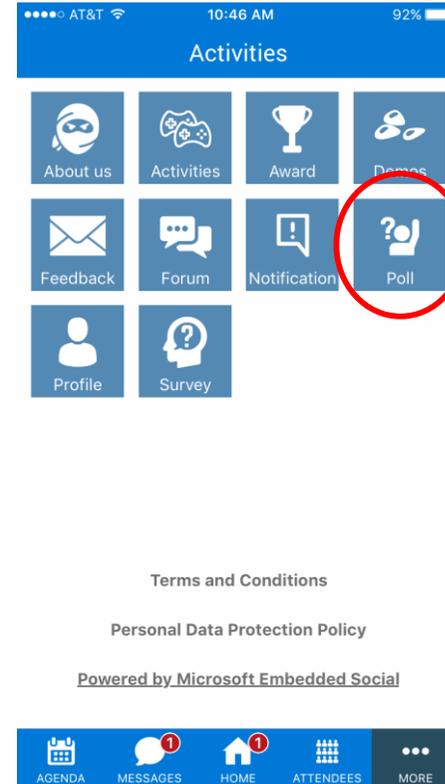
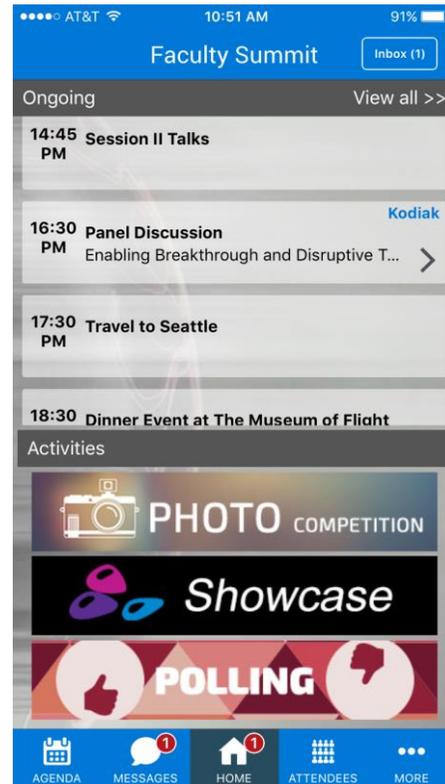
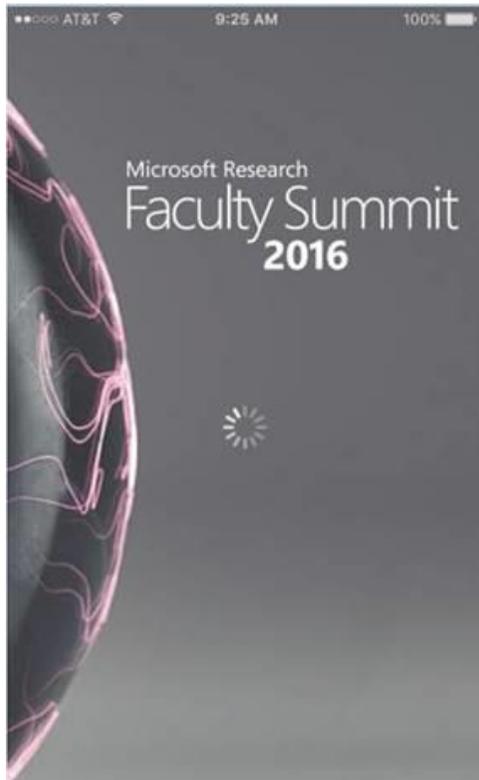


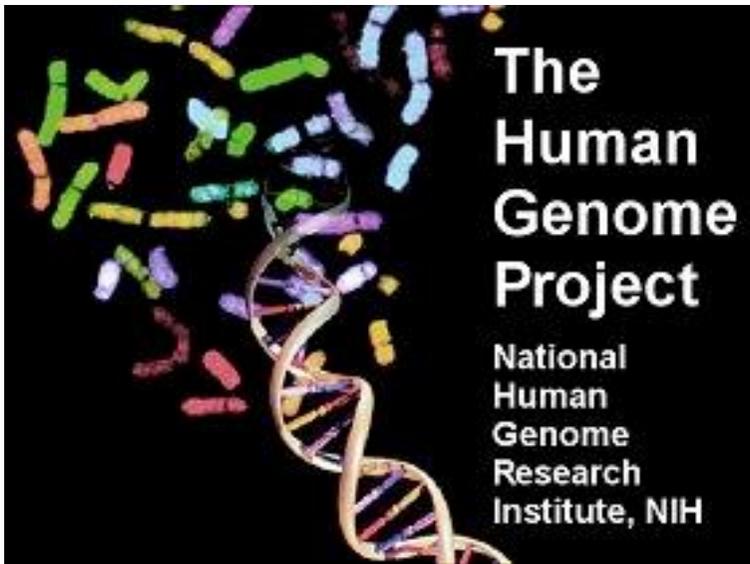
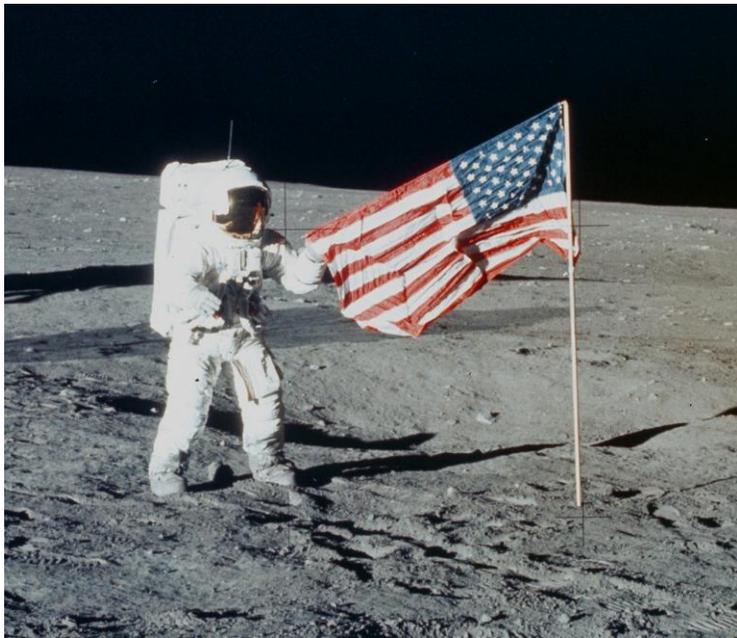
# Enabling Breakthrough & Disruptive Technologies

Victor Bahl  
Distinguished Scientist  
Microsoft Research



# please install the FS 2016 Application





# Enabling Breakthrough & Disruptive Technologies

## Panelist



David Culler

Friesen Professor  
of Computer  
Science,  
University of  
California-  
Berkeley



John Launchbury

Director,  
Information  
Innovation Office,  
Defense  
Advanced  
Research Projects  
Agency (DARPA)



Susan B. Davidson

Chair, Board of  
Directors,  
Computing  
Research  
Association (CRA)  
(also University of  
Pennsylvania)



Norman A. Whitaker

Managing Director of  
Special Projects,  
Microsoft Research



I am pursuing breakthrough research / inventing a disruptive technology (and it will change our world)

**Yes**

**No**



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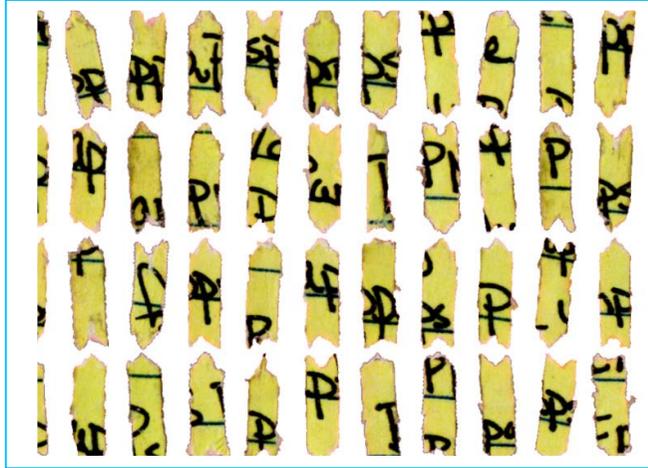
Susan B. Davidson

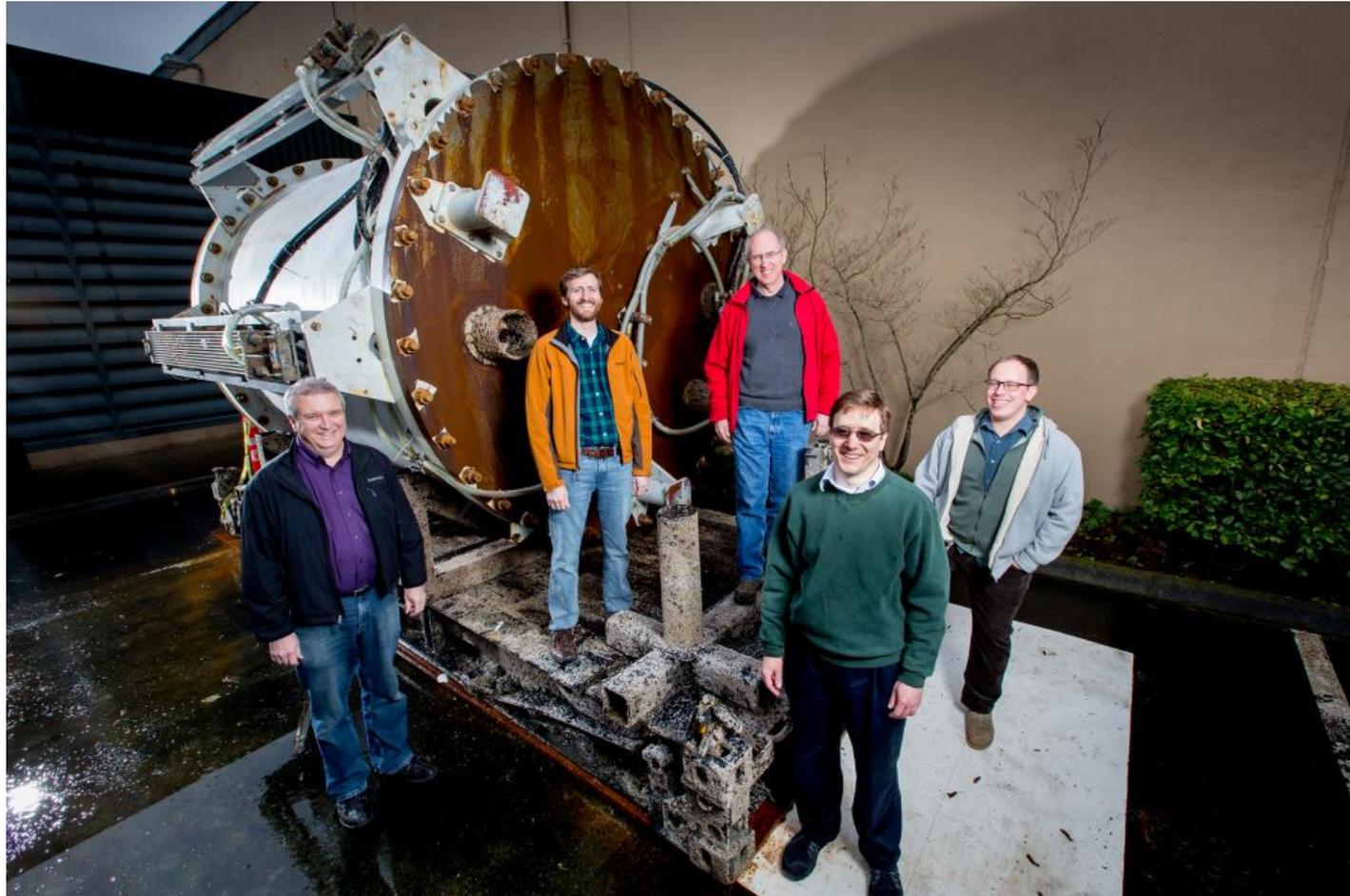
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I know exactly how to find a big idea and work on it

Yes

No



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Generally, my big-idea projects failed because of factors out of my control

**Yes**

**No**



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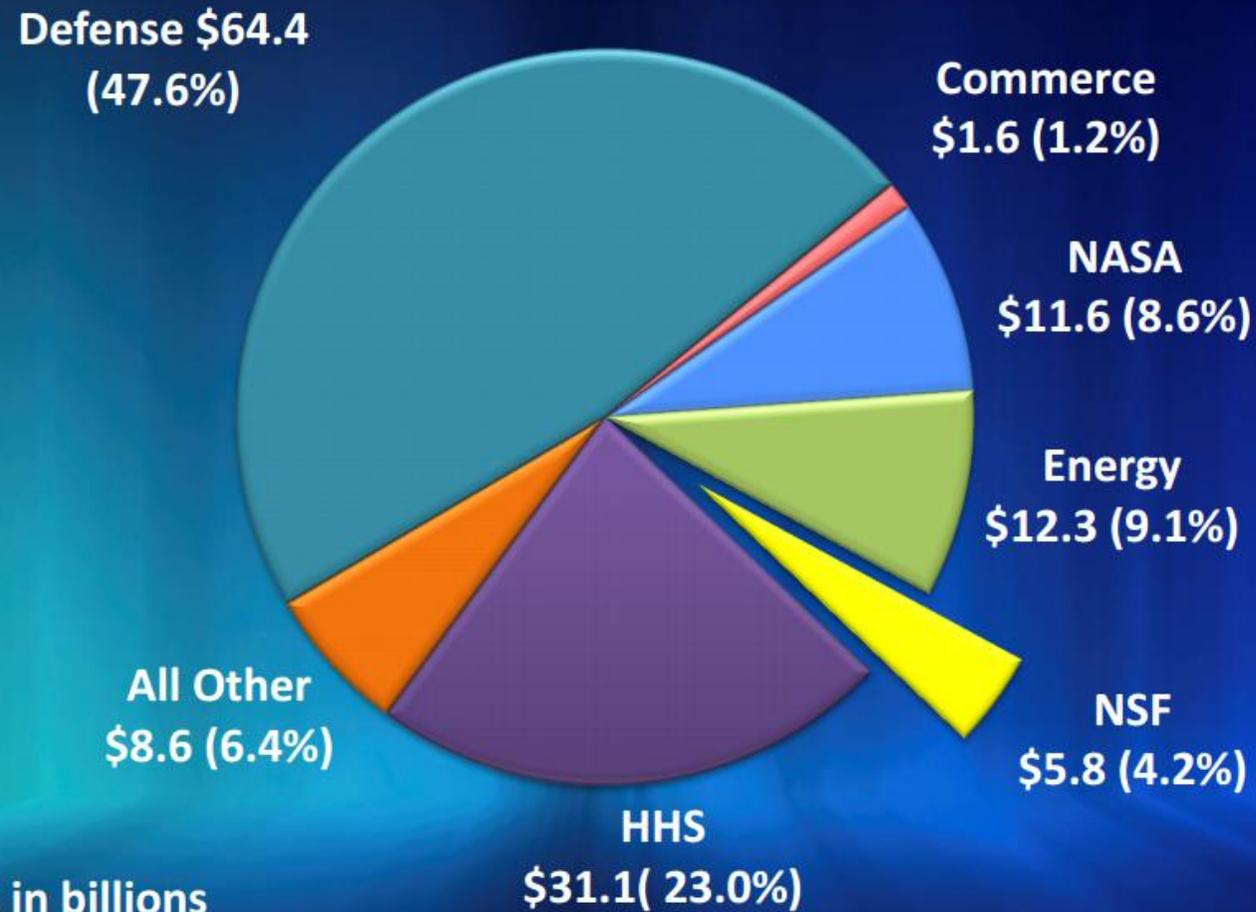
I am generally happy with the state of CS funding

Yes

No



## 2015 Total Federal R&D Budget for the United States (\$135.4 billion)



\*Dollar Amounts in billions



I believe the best place to develop a breakthrough technology is:

**University**

**Industry**

**Government**

**Startups**



I believe the best place to develop a breakthrough technology is:

**University**

Aloha System  
RSA

**Industry**

iPhone  
Cloud computing  
Wi-Fi / LTE

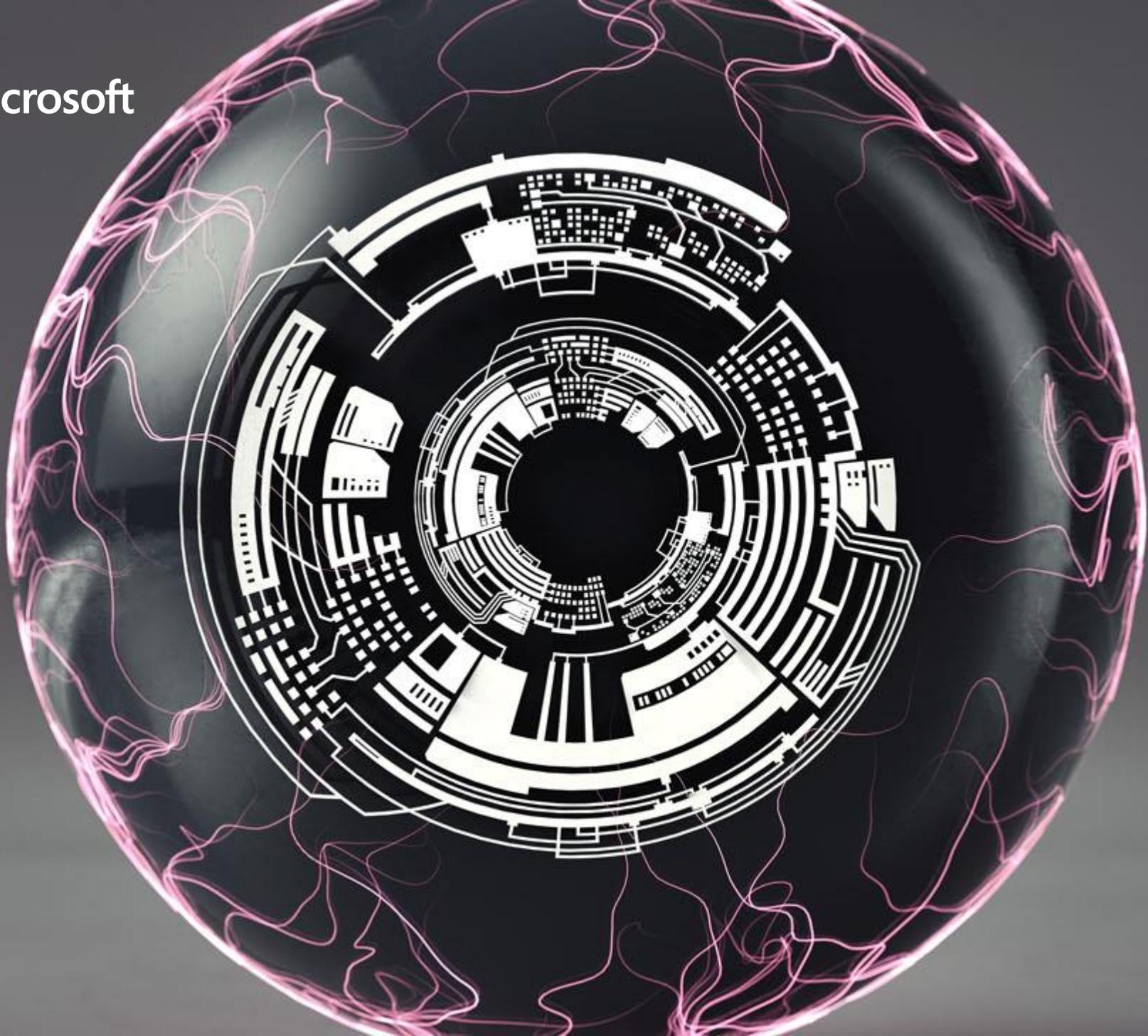
**Government**

Nuclear Energy  
Apollo missions  
Internet

**Startups**

Web Search  
Social Networking





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Faculty  
Summit  
**2016**