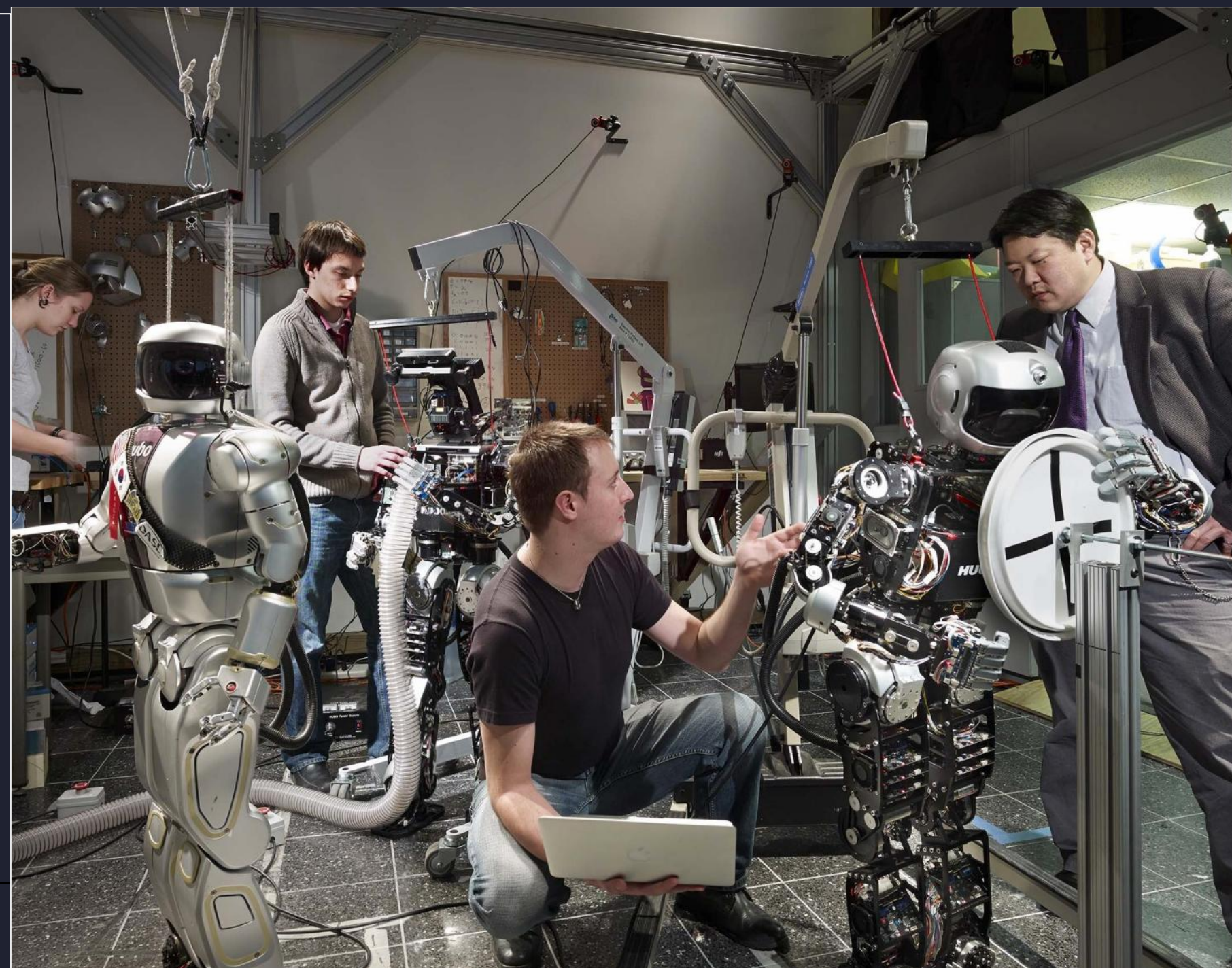
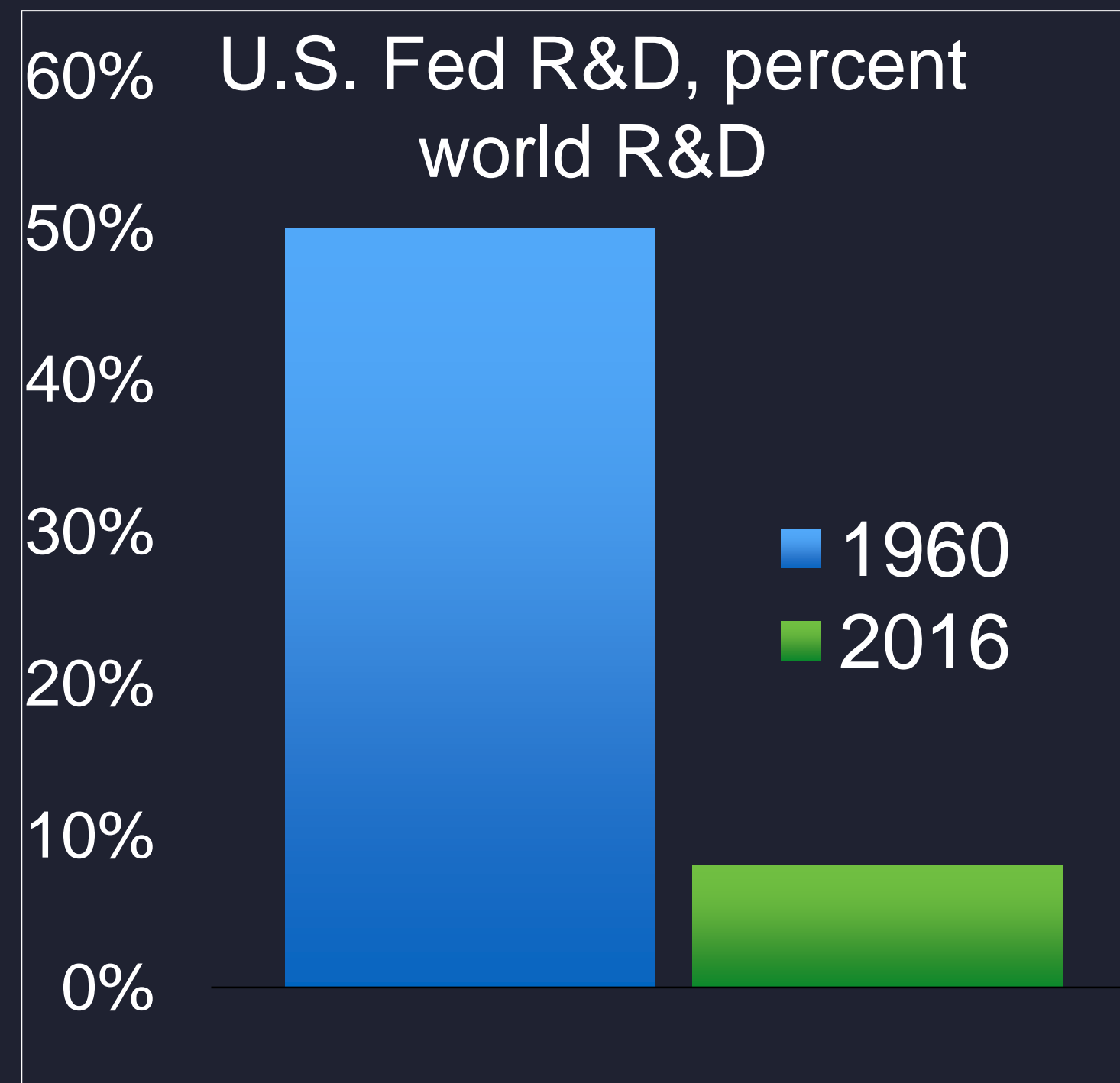


NDIA SE Conference Panel

October 27, 2016



The nature of federally funded R&D is changing drastically



Increasingly crowded
R&D space

Growing importance
of open, networked
economy

Blurring distinction
between traditional
disciplines

The spatial geography of our innovation is shifting, increasing the value of proximity and partnerships



Five ways federal R&D funding agencies are collaborating “on-the-ground”

Innovation Vouchers

- **Short-term grants to assist small businesses access national labs**
- **Reduces the time and cost to sign an agreement**
- **Often run by labs but funded by state governments**
- **Examples: Small Business Voucher Program, NMSBA, RevV! (DoE)**



Five ways federal R&D funding agencies are collaborating “on-the-ground”

Entrepreneurs-in-residence

- In order to accelerate startup development out of labs and universities
- Address gaps in mentorship and funding
- Should be coupled with pro-active technology transfer strategies
- Examples: NIH, i-Corp (NSF), venture capital-based model



Five ways federal R&D funding agencies are collaborating “on-the-ground”

Pre-competitive Consortia

- Pull R&D resources from multiple public and private institutions for product development
- Pooling of research and development of new teams
- Often around shared data
- Examples: Accelerating Medicines Partnership (HHS), Sematec



Five ways federal R&D funding agencies are collaborating “on-the-ground”

“Microlabs”

- **Get resources “outside the fence”**
- **Physical and programming assets that are aligned with industry needs**
- **Co-located near dense technology clusters and universities (usually in cities)**
- **Examples: MDF (DoE), DIUx (DoD)**



Five ways federal R&D funding agencies are collaborating “on-the-ground”

Simplified, standardized contracts

- Eliminate the need to sign individual agreements for every project
- Best practices from universities apply for labs
- Develop long-term strategic partnerships
- Examples: CalCharge



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