# Defense Advanced Research Projects Agency and Innovation

Dr. Kathleen Fisher, Director Information Innovation Office (I2O)



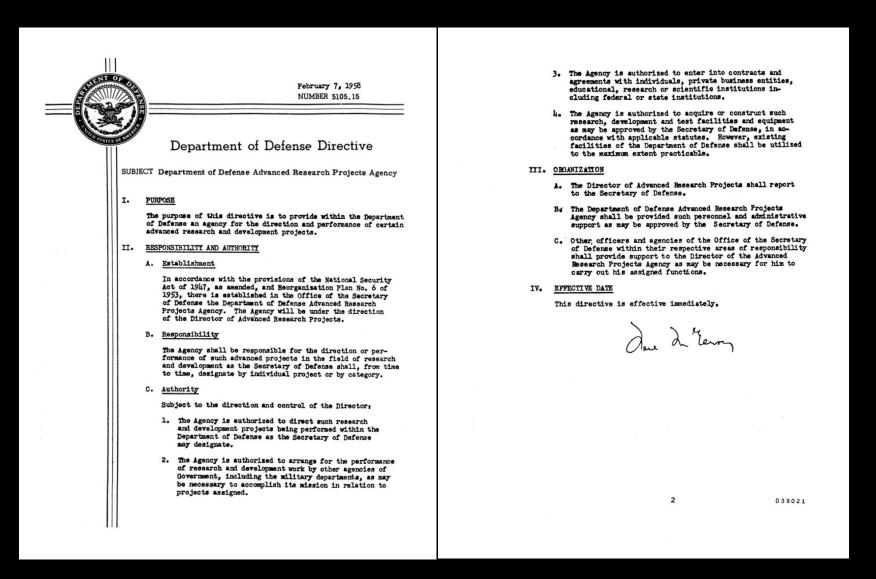
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# OCTOBER 4, 1957



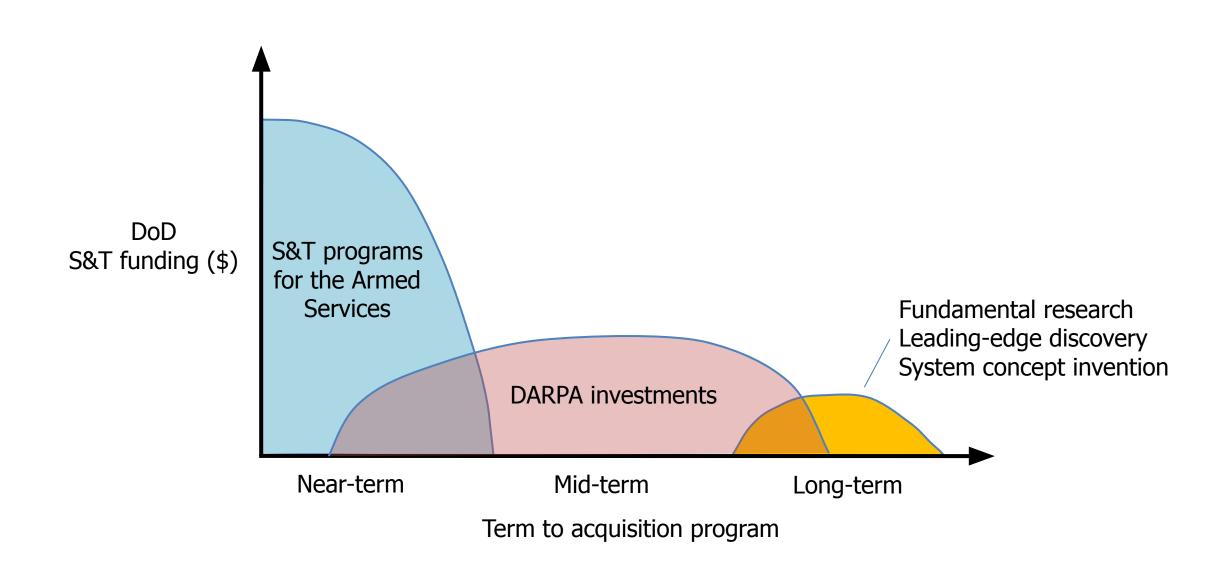
# STRATEGIC SURPRISE

#### February 7, 1958 – DoD Directive 5105.15











#### NSF: Science

• Basic research driven by curiosity and discovery

DARPA: Impact

• Transform revolutionary concepts and even seeming impossibilities into practical capabilities



## DARPA project focus

# THE HEILMEIER CATECHISM

1. What are we trying to do?

2. How is it done today and who does it? What are the limitations of the present approaches?

3. What is new about our approach, and why do we think we can be successful at this time?

4. If we succeed, what difference do we think it will make?

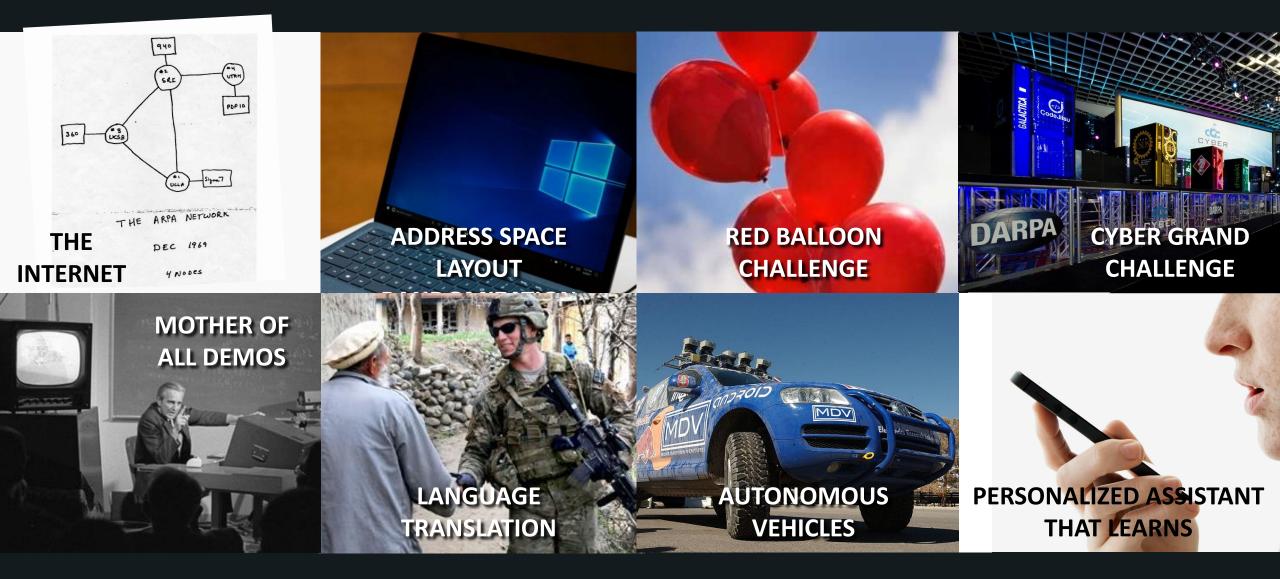
5. How long do we think it will take, and what are our mid-term and final exams? How much will it cost?

DARPA

George Heilmeier DARPA Director 1975-1977

- Prove something is possible, then move on
- Keep ideas fresh through planned turnover in personnel
- Willingness to take risks and tolerate failure
- DARPA offices organized around broad technical thrusts

## **Information Innovation**







# Information Innovation Office (I2O)

#### The first mouse

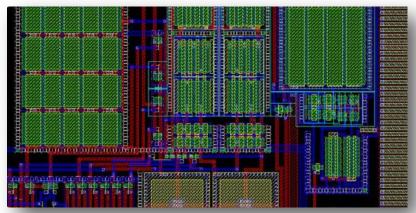


#### Foundations of artificial intelligence



# The internet united by the second se

#### Foundations for advanced ICs





# Information Innovation Office (I2O)





#### **Program Managers**

- Key becoming familiar with DARPA's challenges and opportunities
- Contact a PM to gain insight about your idea prior to submitting an abstract, white paper, or proposal

## I2O proposers' day

- Fall 2024
- I2O mailing list: <u>https://lp.constantcontactpages.com/su/9rZHGPf</u>

### DARPA Connect

- Stimulate growth and collaboration with small businesses and education institutions new to the national security space
- Upcoming events:
  - DARPAConnect Arizona Regional Pop-up Event
    - Feb 29, 2024
    - Warehouse 215, 215 East Grant Street, Phoenix, AZ
  - South by Southwest
    - Mar 8, 2024, to Mar 12, 2024
    - Austin, TX



#### darpaconnect.us



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