



# ***Partnering to Win the Great Power Competition***

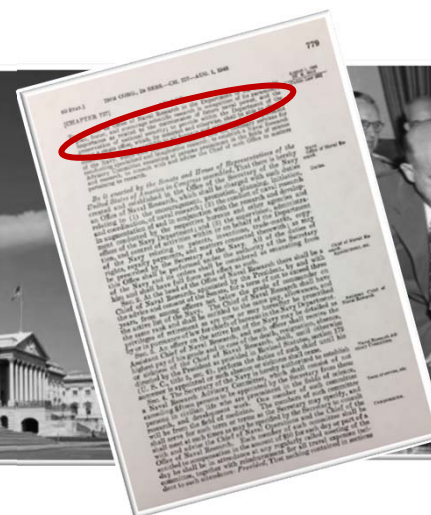
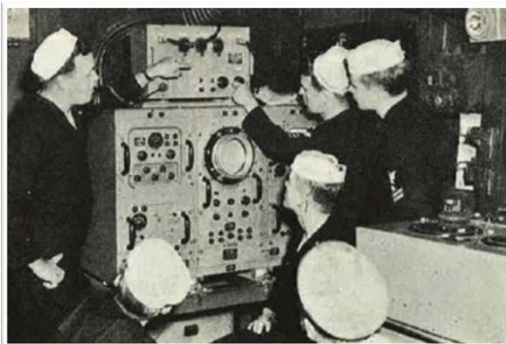
**RADM David Hahn  
Chief of Naval Research**

**7 September, 2018**

# Lessons from History



*“...plan, foster and encourage scientific research in recognition of its paramount importance as related to the maintenance of future naval power, and the preservation of national security...”*

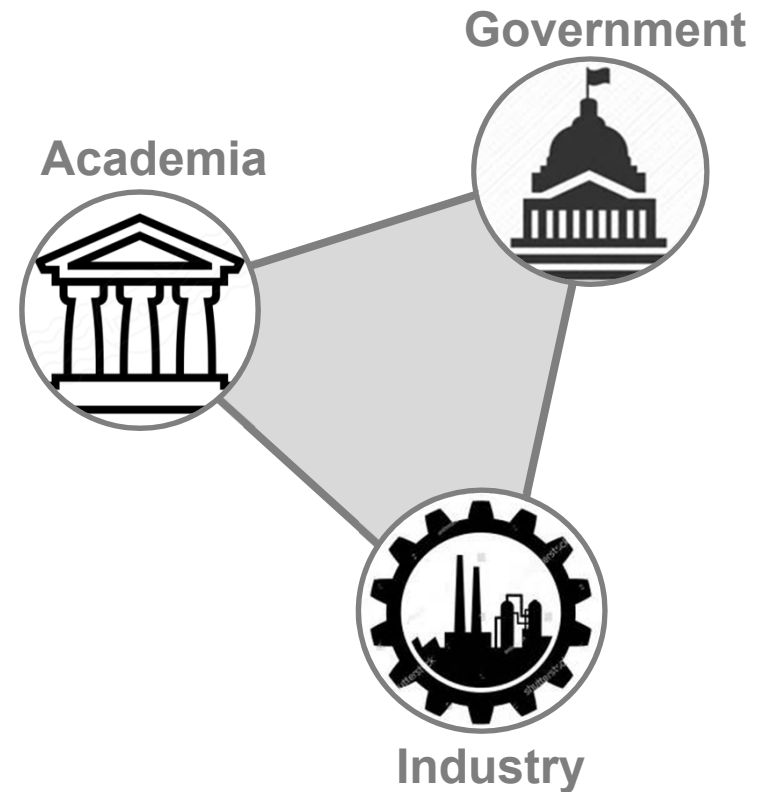
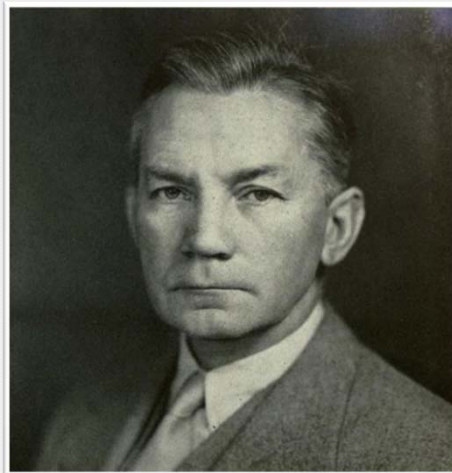




# Naval Research Model

*"It is of the utmost importance to our national security that the Navy prosecute a vigorous and well-rounded program of research and development..."*

– Secretary of the Navy James V. Forrestal, January 1947



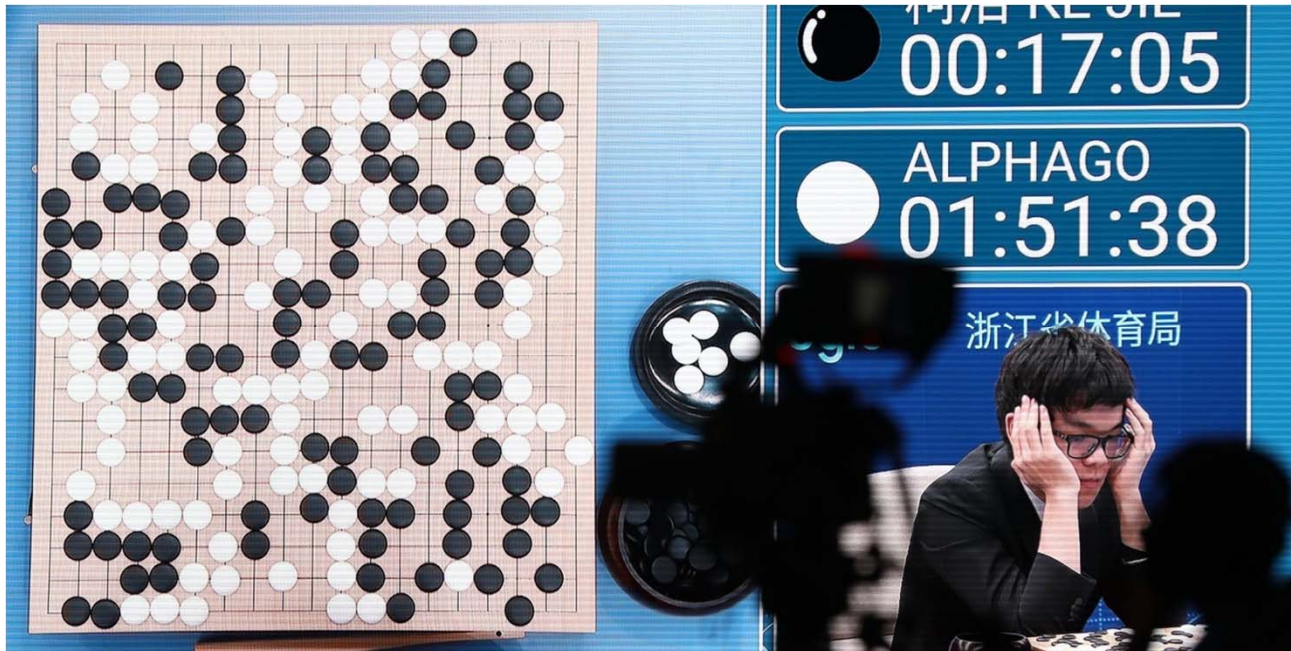




# The 21<sup>st</sup>-Century Competition...

The New York Times

## *Beijing Wants A.I. to Be Made in China by 2030*



The Google artificial intelligence program AlphaGo defeated the world's top Go player, Ke Jie of China, in May.  
Wu Hong/European Pressphoto Agency

By [Paul Mozur](#)

July 20, 2017

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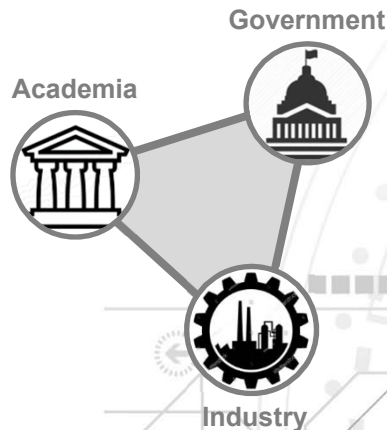
SHANGHAI — If Beijing has its way, the future of artificial intelligence will be made in China.

The country laid out a development plan on Thursday to become the world leader in A.I. by 2030, aiming to surpass its rivals technologically and build a domestic industry worth almost \$150 billion.



# ...The Way to Win: An Ecosystem of Ideas

## Post WW2 Model



**Business as Usual is No Longer an Option**



*“...the tempo of modern war has reached the point where this Nation will probably never again have an opportunity to arm itself successfully after the start of hostilities....” – Forrestal*



## **ONR & FDP Going Forward...**

- **Move from incremental to fully funded multi-year grants**
- **Timely execution of the research project**
- **Identification of research participants**
- **Reduction of administrative “burden”**