Comparing Defense Innovation in Advanced and Catch-up Countries
A workshop hosted by the Center for Strategic and Budgetary Assessments
1667 K Street NW, Suite 900, Washington, D.C.
May 3, 2018

Organized by the University of California Institute on Global Conflict and Cooperation (IGCC),
Johns Hopkins School of Advanced International Studies (SAIS),
and the Center for Strategic and Budgetary Assessments (CSBA)

This one-day workshop examines how countries have become, or are seeking to become, advanced defense technological and industrial powers.

The goal of the workshop is to identify essential political, economic, strategic, and institutional conditions and factors required for states to successfully embark upon significant programs of military technological and industrial development that could lead them to make major advances or for states that are already advanced to remain at the cutting edge.

This workshop showcases key findings from an academic conference on the topic that took place at UC San Diego in December 2017.

Support for this workshop comes from a grant from the U.S. Army Research Office and is affiliated with the DOD Minerva Initiative, and led by Tai Ming Cheung (UCSD and IGCC) and Tom Mahnken (SAIS and CSBA).

Agenda

Session 1: Methodological Approaches
Moderator: Eugene Gholz

7:30am-8:00am: Breakfast available

8:00am-8:15am: Introduction: Tai Ming Cheung and Tom Mahnken

8:15am-9:00am: Analyzing the State of Defense and Military Innovation in an Era of Profound Technological Change (Tai Ming Cheung, Tom Mahnken, and Andrew Ross)
9:00am-9:15am: Break

Session 2: Centrally Planned, Authoritarian, and Developing Regimes  
Moderator: Andrew Ross

9:15am-10:00am: China (Tai Ming Cheung)
10:00am-10:45am: North Korea (Stephan Haggard, Tai Ming Cheung)
10:45am-11:00am: Break
11:00am-11:45am: China and Emerging Technologies: Artificial Intelligence, Quantum Communications, and Other New Frontiers (Elsa Kania)
11:45am-12:30pm: Russia (Vasily Kashin)
12:30pm-1:30pm: Lunch

Session 3: Developed and Market Regimes  
Moderator: Tom Mahnken

1:30pm-2:15pm: United States (Eugene Gholz)
2:15pm-3:30pm: Small States: Israel and Singapore (Dima Adamsky and Richard Bitzinger)
3:30pm-3:45pm: Break

Session 4: Historical Perspectives and Emerging Technologies  
Moderator: Tai Ming Cheung

3:45pm-4:45pm: Unmanned Technology and Defense Innovation (Michael Horowitz)
4:45pm-5:30pm: Inter-War Years (Tom Mahnken)
5:30pm: Workshop Ends