Assembly of Society Officers Session 1: New Constructs for Science Policy

March 25, 2021: 11:00am – 1:30pm ET

Additional Resources

Please find below a list of resources mentioned during the 2021 Virtual Assembly of Society Officers.

Outside Resources

The Perils of Complacency: America at a Tipping Point in Science & Engineering, American Academy of Arts & Sciences.

- This report presents a comprehensive update on America's research and development situation and provides policy recommendations that, if enacted, would help ensure that the United States does not lose the preeminent position in discovery and innovation that it has built through investments and efforts since the end of World War II.

"Report on Education Technology - Skills & Jobs.", Presidential Council of Advisors on Science and Technology (PCAST), 2014

- A letter seeking a more holistic, integrated approach to using information technology to connect people with jobs and targeted training. It seeks to motivate more coordinated and effective government-industry-education partnership around this issue and argues for using technology to connect different actions and actors to maximize synergies and minimize unproductive duplication of efforts.

Science, the Endless Frontier

- The classic case for why government must support science—with a new essay by physicist and former congressman Rush Holt on what democracy needs from science today.

The Case for Growth Centers: How to spread tech innovation across America, The Brookings Institution and ITIF, 2019

- A joint effort by the Brookings Institution and ITIF which proposes that Congress assemble and award to a select set of metropolitan areas a major package of federal innovation inputs and supports that would help those areas accelerate transformative innovation sector scale-up.

Transformation and Opportunity: The Future of the U.S. Research Enterprise, Presidential Council of Advisors on Science and Technology (PCAST), 2012

- In this report, PCAST describes a series of specific opportunities for the Federal Government, universities, and industry to strengthen the U.S. research enterprise. These opportunities fall into three categories: the Federal Government's role as the foundational investor in basic research; a better policy environment to encourage industry investment in R&D; and the new role of research universities as hubs of the innovation ecosystem.

Demographic Turning Points for the United States: Population Projections for 2020 to 2060 (PDF), U.S. Census Bureau, Issued March 2018, revised February 2020. (Press release)

- A report on American aging trends, and their effect on society. The year 2030 marks an important demographic turning point in U.S. history according to the U.S. Census Bureau's 2017 National Population Projections. By 2030, all baby boomers will be older than age 65. This will expand the size of the older population so that 1 in every 5 residents will be retirement age.

AIP Resources

AIP 2020 Annual Report

- A look at AIP's work through 2020 and continuing now aligns to this Strategic Framework, continuing in our mission to advance, promote and serve the physical sciences community with a unifying voice of strength from diversity.

FYI Federal Science Leadership Tracker

- A comprehensive source of information about key federal officials and advisors relevant to the physical sciences provided by AIP's science policy news source, FYI.

Democrats Refining Strategy for Potential R&D Blitz, FYI, Mar 18, 2021

- As congressional Democrats assemble legislative packages for ambitious R&D, manufacturing, and infrastructure initiatives, leading research community figures are seeking to shape a fast-moving proposal to restructure the National Science Foundation.

AIP and AIP Member Societies Resolutions, Policies & Best Practices

- A list of resources, diversity statements, codes of ethics, and meeting best practices from the AIP Federation.

Peril and Promise: Impacts of the COVID-19 Pandemic on the Physical Sciences

- This AIP Letter Report discusses the pandemic's current and expected impacts on the physical sciences enterprise in three dimensions: workforce, infrastructure, and the conduct of research.

Victor McCrary speaks on the COVID-19 Pandemic's Impact on the Physical Sciences Enterprise (video)

- Victor McCrary speaks about the recently released report from the American Institute of Physics, titled, "Peril and Promise: Impacts of the COVID-19 Pandemic on the Physical Sciences."