



ACADEMIC SECURITY AND COUNTER EXPLOITATION PROGRAM

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AI'S ROLE IN MODERNIZING INTELLECTUAL PROPERTY AND BOLSTERING NATIONAL SECURITY

Michael Richards | U.S. Chamber of Commerce | August 1, 2022

The U.S. may lose its position as a global leader in artificial intelligence (AI) if we do not modernize our intellectual property system and bolster our national security strategy. That emerged as the key theme at the U.S. Chamber's fifth and final AI Commission field hearing, hosted in Washington, D.C. last week. Experts from civil society, government, academia, and industry gathered to discuss this and other important issues related to the use and regulation of AI. U.S. Chamber President and CEO Suzanne Clark opened the hearing by noting several challenges ahead, such as cooperation between Russia and China to compete against the U.S., intellectual property (IP) theft, and regulation from abroad. With regard to the Commission's forthcoming policy recommendations, she noted, "You can count on the U.S. Chamber of Commerce to do something with this. You can count on us to not just produce a white paper but to really turn it into action, into work." Here are six recommendations for how the U.S. can lead on AI. The U.S. intellectual property system is an important tool to ensure technological progress, but it must be modernized when it comes to emerging technologies like AI.

Read the full article [here](#).

BIDEN TO SIGN BILL BOOSTING CHINA COMPETITION AND U.S. CHIP PRODUCTION

Kevin Breuninger | CNBC | August 2, 2022

President Joe Biden is set to sign into law a bipartisan bill to invest billions of dollars in domestic semiconductor manufacturing and science research, with the aim of boosting U.S. competitiveness with China and other foreign rivals. The legislation marks a win for Biden, who campaigned on reaching across the aisle and has pushed Congress to pass the legislation as a matter of necessity for America's economy and national security. Biden, who is suffering from a relapse of Covid, appeared virtually at a ceremony Tuesday with Gov. Gretchen Whitmer, D-Mich., as she signed an executive directive to implement the Chips and Science Act. The bill, dubbed the Chips and Science Act, includes more than \$52 billion for U.S. companies producing computer chips, as well as billions more in tax credits to encourage investment in chip manufacturing. It also provides tens of billions of dollars to fund scientific research and development, and to spur the innovation and development of other U.S. technologies. The House and Senate passed the bill last week with near-unanimous Democratic support.

Read the full article [here](#).



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CHIPS IS A MISSED OPPORTUNITY FOR REAL SECURITY

Dustin Carmack | *The Daily Signal* | August 1, 2022

" ... We have to be on guard against China at all times ... For all technology, we have to do everything we can to make sure our leading edge technology, whether it's in CHIPS, or artificial intelligence, or other areas, can't get into the hands of the Chinese." That was Secretary of Commerce Gina Raimondo last Sunday on "Face the Nation." One can be in complete agreement with that statement and look at the underlying legislation—the Creating Helpful Incentives to Produce Semiconductors for America Act, or CHIPS—that passed both chambers of Congress last week and find it lacking. Stakeholders that are in support of the measure are understandably throwing out every argument under the sun, while ignoring the basics of where the legislation missed opportunities up and down the board. The fact that they powered through on this when a possible conservative majority could quickly pass and shape a bill six months from now that hits all the right spots is dumbfounding.

Read the full article [here](#).

INNOVATION: PEOPLE ARE MORE IMPORTANT THAN TECHNOLOGY

General Anthony Zinni, U.S. Marine Corps (Retired), Mie Augier, and Major Sean F. X. Barrett, U.S. Marine Corps | *U.S. Naval Institute* | August 2022

Today's strategic environment features rapid technological change coupled with the increasing accessibility of cutting-edge technologies to more and more actors. These changes, and the threats they pose to U.S. national security, span presidential administrations and cross party lines. The 2018 National Defense Strategy, for example, notes that maintaining U.S. technological advantage requires significant changes across the "National Security Innovation Base" and calls on the Department of Defense (DoD) to "organize for innovation" and "out-innovate revisionist powers."¹ In his Interim National Security Guidance, President Joe Biden pledges to "sustain America's innovation edge" and encourages "the culture of innovation required to address today's complex challenges."² Over the past several years, DoD has attempted to adapt to this dynamic technological landscape by establishing organizations and concepts such as the Defense Innovation Unit, the Chief Digital and AI Office, Joint All-Domain Command and Control, Project Convergence, Project Overmatch, the Rapid Defense Experimentation Reserve fund, and a network of "tech bridges" focused on leveraging artificial intelligence, machine learning, and other advancements to develop sensor networks and shorten kill chains.³

Read the full article [here](#).

BILLIONS MORE FOR US SCIENCE: HOW THE LANDMARK SPENDING PLAN WILL BOOST RESEARCH

McKenzie Prillaman | *Nature* | August 2, 2022

The US National Science Foundation and other research agencies could see major infusions of cash, thanks to the US\$280-billion CHIPS and Science Act of 2022, which the US Congress passed last week. Two years in the making, this landmark legislation promises one of the biggest funding increases in years for science. But it remains unclear whether Congress will ultimately deliver the money it has pledged. The legislation centres on boosting domestic manufacturing of semiconductors — or chips — which are crucial for electronics. Currently, the United States produces only 12% of the world's chips, and Congress has vowed to decrease reliance on other countries to enhance national security and grow the domestic job market. CHIPS and Science authorizes multibillion-dollar budget increases over the next five years to federal research agencies, including the National Science Foundation (NSF), the Department of Energy (DOE) and the National Institute of Standards and Technology.

Read the full article [here](#).



TIKTOK SPENDS RECORD AMOUNT ON LOBBYING BLITZ TARGETING HOUSE, SENATE, AND WHITE HOUSE

Jerry Dunleavy | Washington Examiner | July 27, 2022

TikTok and its Chinese parent company spent a record \$2.37 million on lobbying this spring, the most the Chinese social media app ever reported spending in a single quarter. ByteDance, the Beijing-based company that owns TikTok and has links to the government in China, spent \$2.26 million on lobbying from April to June, and TikTok itself reported spending another \$110,000 that quarter through hiring the Crossroad Strategies advocacy firm, which it has used since late 2020. The huge increase in spending comes as Republicans push the Biden administration to crack down on TikTok over national security concerns. The only other time frame that came close to the 2022 second-quarter figures was the \$2.07 million ByteDance and TikTok spent between April and June 2021. ByteDance spent \$1.1 million in the first quarter of this year, with another \$110,000 from TikTok. This year, ByteDance reported also funneling tens of thousands of dollars this year to LGL Advisors in Florida, the Washington lobbying firm Mehlman Castagnetti Rosen & Thomas, and the K&L Gates LLP global law firm for lobbying purposes.

Read the full article [here](#).

PUBLIC UNIVERSITY PROF. CHARGED WITH STEALING \$1.75 MILLION IN U.S.-FUNDED RESEARCH FOR CHINA

Judicial Watch | February 9, 2021

Communist China has long benefitted from American-funded research stolen by Chinese academics who infiltrate colleges throughout the United States. This month a criminal indictment sheds light on a recent scheme allegedly masterminded by a Chinese professor at one of the nation's top-ranked public universities. His name is Lin Yang, a 43-year-old member of the Thousand Talents Program (TTP) operated by the Chinese government to transfer original ideas, technology and intellectual property from foreign institutions, especially American colleges. TTP rewards Chinese scientists for stealing propriety information, usually funded by Uncle Sam. In this case Yang, an associate professor in the Department of Biomedical Engineering at the University of Florida (UF), fraudulently obtained a \$1.75 million federal grant to conduct research that he stole for China, according to a federal indictment. The money came from the National Institutes of Health (NIH), the U.S. government's handsomely funded medical research agency, which has an immense \$41.7 billion annual budget.

Read the full article [here](#).

WHAT A BIG NEW U.S. LAW THAT RESHAPES SCIENCE AGENCIES COULD MEAN FOR RESEARCHERS

Jeffrey Mervis | Science | July 29, 2022

More than 2 years in the making, a massive bill that Congress completed this week aims high: It envisions a 5-year, \$280 billion investment to keep the United States ahead of China in a global competition for technological preeminence. The CHIPS and Science Act, passed yesterday by the House of Representatives and on Wednesday by the Senate, will result in some of the biggest changes in U.S. innovation policy in more than a decade. But researchers should not expect a surge of new funding anytime soon. The legislation calls for more than doubling the budget of the National Science Foundation (NSF)—now \$8.8 billion—over 5 years. It would also grow the \$7.5 billion Office of Science at the Department of Energy (DOE) by 45% and boost the \$850-million-a-year research account at the National Institute of Standards and Technology by 50%. But that money is “authorized,” not committed. That leaves it to congressional spending panels to decide each year whether to appropriate the additional dollars.

Read the full article [here](#).



MORE EVIDENCE OF CCP ACTIVISM AT U.S. UNIVERSITIES

Dan Cadman | Center for Immigration Studies | July 27, 2022

I noted last month that the infamous Confucius Institutes, operating as propaganda arms of the Chinese Communist Party (CCP) on U.S. campuses, had simply rebranded themselves, and that many American universities decided to engage in business as usual by reconnecting with the “new” organizations, from which no doubt money and influence flow freely. And this week, George Fishman published a CIS Backgrounder in which he outlined in detail the danger that Chinese students and exchange visitors pose to U.S. national security, given their CCP masters' iron-fisted ability to control their lives even while studying or conducting research on our shores. This renders them particularly open to pressure to engage in theft of information and data about high-end technologies and research that China can put to great advantage, both economically and in its effort to become the predominant global superpower. As if we needed more proof of the unique risk that the CCP octopus poses on the campuses of America's institutions of higher learning, another tentacle has been revealed.

Read the full article [here](#).

CHINA-US RESEARCH: COMMON GOOD MUST TRIUMPH OVER MUTUAL SUSPICION, SAYS NEW REPORT

Jack Ng and Jason Chan | Business Wire | August 3, 2022

Competition between China and the United States has seeped into bilateral research collaborations and has the potential to disrupt projects and relationships which are mutually beneficial. US universities are being warned about the need to safeguard intellectual property against perceived conflicts of interest. In some cases, relationships are being de-stabilized by suspicion. A few scientists have had legal action taken against them. Yet, as a new report from APRU and Elsevier demonstrates, the world cannot afford a break between the two largest producers of published research. Each country produces around 20% of the world's scholarly output. Their co-publications constitute by far the largest bilateral research relationship. They also share leading research talent. The report “For the Common Good: APRU and the China-US Research Landscape” shows the importance of maintaining relationships that have been built over decades for the benefit of global society. “Despite geopolitical tensions, international scholarly collaborations in science remain crucial to addressing challenges such as the COVID pandemic and the existential threat of accelerating climate change,” said Dr. Christopher Tremewan, APRU Secretary General.

Read the full article [here](#).

CULTIVATING FRIENDLY FORCES: THE CHINESE COMMUNIST PARTY'S INFLUENCE OPERATIONS IN THE XINJIANG DIASPORA

Lin Li and Dr. James Leibold | Australian Strategic Policy Institute | July 6, 2022

The Chinese Communist Party (CCP) has committed well-documented and large-scale human rights abuses against the Uyghurs and other indigenous minorities in the Xinjiang Uyghur Autonomous Region (XUAR) that amount to crimes against humanity. Through its complex united front system, the CCP is actively monitoring members of the diaspora, including Uyghurs, creating databases of actionable intelligence, and mobilising community organisations in the diaspora to counter international criticism of its repressive policies in Xinjiang while promoting its own policies and interests abroad. These organisations are powerful resources in Beijing's ongoing efforts to reshape the global narrative on Xinjiang, influence political elites abroad, and ultimately control the Chinese diaspora, but they're also poorly understood. These organisations purport to represent and speak on behalf of 'Xinjiang' and its indigenous peoples.

Read the full article [here](#).



CHINA'S AHEAD IN TECH. HERE'S WHERE TO START THE COMEBACK.

Matt Hamblen | Fierce Electronics | June 18, 2021

President Biden often speaks about challenges to democracy from autocracies such as China and Russia, but there are ways that the U.S. form of democracy, capitalism and strategic investment could be improved without calling out other countries for violating humanitarian principles. One way is for U.S. policymakers, CEOs and research institutions to get better organized and coordinated, especially to compete with China on the technology front. Recent Senate passage of the \$250 billion U.S. Innovation and Competition Act USICA to help the supply chain and build more chip fabs is a good start. Make no mistake, the Chinese are ahead technologically—and way ahead in some quarters. A space race seems to be underway. Recently, the country landed a rover on Mars without the need for decades of advance flights. Last week, China sent three astronauts into orbit to build a space station after being locked out of the International Space Station a decade ago over security concerns lodged by the U.S. China is also pursuing research in artificial intelligence and quantum computing at a pace that is difficult to measure, but could render the U.S. and its allies anemic in cybersecurity wars in coming years.

Read the full article [here](#).

MILITARY CIVIL FUSION IN CHINA

Maj Gen P K Mallick, VSM (Retd) | Vivekananda International Foundation | August 1, 2022

Military-Civil Fusion (MCF) is an aggressive national strategy of the Chinese Communist Party (CCP). The CCP pursues its MCF Development Strategy to fuse its security, economic and social development strategies to build an integrated national strategic system and capabilities. The Party's leaders see MCF as a vital element of their strategy for China to become a "great modern socialist country" which includes developing a "world-class" most technologically advanced military and becoming a world leader in science and technology (S&T). To achieve this, MCF will allow the seamless flow of knowledge, technology, resources, materials and talent back and forth between the military, defence industrial sectors and academia. Its objectives are to develop and acquire advanced dual-use technology for military purposes and deepen reform of the national defense science and technology industries to strengthen all of the PRC's instruments of national power. The CCP is executing this strategy through its own research and development efforts and acquiring the world's cutting-edge technologies, including theft.

Read the full article [here](#).

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