

10 June 2022

SYLLOGE ON CHINA

Focus: Nuclear, Space, Missiles and other Security Issues

An Initiative by Indian Pugwash Society and Centre for Nuclear Issues and Arms Control (MP - IDSA)



INDIAN PUGWASH SOCIETY

China's 1st nuclear steam project to turn seawater into clean energy

CGTN, 29 May 2022

China has started construction of its first nuclear-powered steam supply project for industrial purpose at Lianyungang City in eastern Jiangsu Province. The project will utilize heat generated by the nuclear power to convert desalinated sea water into clean, stable and efficient industrial steam and reduce energy consumption and carbon emissions. According to China National Nuclear Corporation (CNNC), its Tianwan nuclear-powered project, which supplies industrial steam in Lianyungang City, with a total investment of 730 million yuan (\$108.4 million) and construction period of 24 months, will be fully operational by the end of 2023. New desalination plants, power stations, and pumping stations will also be built under the project. At present, China's industrial steam is mainly produced by coal-fired power plants or coal-fired boilers. The project will explore a new way to meet the demand for industrial steam and reduce comprehensive energy consumption as well as environmental pollution.

<https://news.cgtn.com/news/2022-05-29/China-s-1st-nuclear-steam-project-to-turn-seawater-into-clean-energy-1aqDoswJRiU/index.html>

PLA holds three combat drills around Taiwan in one month amid US-Taiwan military collusion

Liu Xuanzun and Liu Caiyu

Global Times, 01 June 2022

The Chinese People's Liberation Army (PLA) Eastern Theater Command announced the third large-scale military exercise around the island of Taiwan in the past 30 days targeting US-Taiwan collusion, seeing US Senator Tammy Duckworth off as she was leaving Taiwan following her three-day visit, in which the island's regional leader Tsai Ing-wen said that a cooperation plan between the US National Guard and Taiwan's armed forces was in the works. It is important for the PLA to enhance concrete combat preparedness in addition to sending just warnings, as the US National Guard's cooperation with Taiwan's armed forces could enhance the latter's urban warfare capability, which marks a further secessionist attempt of resisting reunification by force, according to Chinese mainland experts. In a necessary action taken in response to US-Taiwan collusion, the PLA Eastern Theater Command recently organized a multi-service joint combat readiness patrol in and above waters around the island of Taiwan, announced Senior Colonel Shi Yi, spokesperson for the PLA Eastern Theater Command, in a statement.

<https://www.globaltimes.cn/page/202206/1267130.shtml>

Could China Use Nuclear Weapons in War Over Taiwan?

John Feng

Newsweek, 02 June 2022

In May, a group of experts, including former U.S. officials and sitting members of Congress, conducted an hours-long war game to simulate a potential U.S.-China battle over Taiwan in five years' time. The exercise—common in the Pentagon and at research institutes—concluded not with winning and losing sides, but with the alarming lesson that the next great power conflict could

escalate very quickly. As President Xi Jinping of China oversees a modernization of his country's armed forces with the help of a military budget that has nearly tripled under his watch, officials in Washington believe Beijing is building the capability to take Taiwan by force or at least compel it to "unify" with the mainland by the end of the decade. The expansion of Chinese ground, air, naval, rocket and strategic support forces has inevitably included an enlargement of its nuclear arsenal, which the Pentagon estimates could reach 1,000 nuclear warheads by 2030.

<https://www.newsweek.com/china-taiwan-war-nuclear-weapons-1712332>

China softens blow of U.S. sanctions on military companies

Kenji Kawase

Nikkei Asia, 02 June 2022

With all U.S. citizens and entities forbidden from investing China's military-industrial companies by Friday, Beijing has mobilized state funds and its capital market to cushion the potential fallout.

<https://asia.nikkei.com/Politics/International-relations/US-China-tensions/China-softens-blow-of-U.S.-sanctions-on-military-companies>

S. Korea, China hold high-level phone talks on N. Korea, bilateral ties

The Korea Times, 02 June 2022

South Korea and China held high-level phone talks, during which the two sides discussed bilateral ties and the security situation on the Korean Peninsula, the presidential office said. South Korea's National Security Adviser Kim Sung-han and Yang Jiechi, China's top diplomat, exchanged opinions on the bilateral relations under the Yoon Suk-yeol administration, which took office last month. They positively reviewed the brisk consultations at the high-level and agreed to expand "substantive cooperation" between the two nations, the presidential office said. Kim said North Korea's nuclear and missile program poses a risk to regional peace and stability, and called on China to play "an active, constructive role" in persuading Pyongyang to refrain from further provocations and return to dialogue, according to the office. In response, Yang expressed concerns about the growing uncertainties on the Korean Peninsula and affirmed China's role in promoting inter-Korean relations to reach a diplomatic solution to that end, it added.

http://www.koreatimes.co.kr/www/nation/2022/06/113_330319.html

China nears launch of third carrier, turning up pressure on Taiwan

Tsukasa Hadano

Nikkei Asia, 04 June 2022

China reportedly plans to launch its third aircraft carrier as early as this month, allowing Beijing to maintain a constant military presence in the East and South China seas and erode U.S. clout in the region.

<https://asia.nikkei.com/Politics/International-relations/Indo-Pacific/China-nears-launch-of-third-carrier-turning-up-pressure-on-Taiwan>

US Remains Leader in Emerging Technologies, But China Makes Some Gains, Study Finds

Greg Hadley

Air Force Magazine, 04 June 2022

When it comes to key emerging technologies like additive manufacturing, artificial intelligence, and space, the U.S. remains the leader in innovation, according to a new study prepared for the Air Force. Analysing hundreds of million of patent applications from across the world, the report from the RAND Corp. found that in six areas—Additive manufacturing (AM), AI, space, quantum, ceramics, and sensors—where there have been surges in interest over the past few decades, U.S. inventors have typically been “first to file in areas of technological emergence, far more often than other countries,” the report states. That lead in patent applications has held up even against China, which Pentagon and Air Force officials have repeatedly called their pacing challenge and main priority.

<https://www.airforcemag.com/us-remains-leader-in-emerging-technologies-but-china-makes-some-gains-study-finds/>

Chinese storage system for supercomputers ranks first on global list

CGTN, 05 June 2022

A Chinese-developed storage system for a supercomputer has come on top of a global list released at the International Supercomputing Conference (ISC) High Performance 2022 in Hamburg, Germany. The Shanhe supercomputing platform, which was developed by the National Supercomputing Center in the eastern Chinese city of Jinan, beat other systems on the IO-500 10 Node Challenge, which aims to compare storage systems of some of the world's fastest supercomputers. Such systems are important in different applications, like running large-scale modeling and simulations, crunching big data and powering AI (artificial intelligence).

<https://news.cgtn.com/news/2022-06-05/Chinese-storage-system-for-supercomputers-ranks-first-on-global-list-1aAoXpUk0Hm/index.html>

Shenzhou-14 Mission

Global Times, 05 June 2022

A send-off ceremony was held at Jiuquan Satellite Launch Center for the three Chinese astronauts set to travel into space aboard the Shenzhou-14 spacecraft. After that, the mission was launched from Jiuquan; taikonaut crew headed to Tianhe space station core module for a six-month stay. Shenzhou-14 crewed spaceship successfully docked with Tianhe space station core module.

<https://www.globaltimes.cn/page/202206/1267265.shtml>

<https://www.globaltimes.cn/page/202206/1267270.shtml>

<https://www.globaltimes.cn/page/202206/1267299.shtml>

China urges calm following missile launches in Korean Peninsula, as US continues to light powder keg

Cui Fandi and Wang Qi

Global Times, 06 June 2022

The Chinese Foreign Ministry called on all sides to remain calm and avoid actions that may aggravate tensions, after recent frequent missile launches by North Korea, South Korea and the US. Chinese experts said Washington, which wants to turn China's neighborhood into a "powder keg," is the worst culprit of increasing tension on the Korean Peninsula, and China will not sit idly by. South Korea and the US fired eight ground-to-ground ballistic missiles into the Sea of Japan, which South Korean media said was in response to North Korea's missile launches on the previous day. North Korea reportedly launched eight short-range ballistic missiles from four different locations into the Sea of Japan, South Korea's Yonhap News Agency reported, quoting the country's Joint Chiefs of Staff. However, the operation was not reported by North Korean media. According to Yonhap News Agency, North Korea's reported missile launch may be a protest against the three-day joint carrier battle group exercises of South Korea and the US last from June 2 to 4. South Korea's JCS said that it is the first time that South Korea and the US have mobilized nuclear aircraft carriers for a joint military exercise since November 2017.

<https://www.globaltimes.cn/page/202206/1267430.shtml>

U.S. gave investors 'green light' on blacklisted Chinese companies

Zach Coleman

Nikkei Asia, 06 June 2022

Just ahead of a deadline for U.S. investors to cease trading in the stocks and bonds of companies officially linked to the Chinese military, the Washington agency charged with enforcing the ban quietly notified investors that they would not be punished for holding onto such securities.

<https://asia.nikkei.com/Politics/International-relations/US-China-tensions/U.S.-gave-investors-green-light-on-blacklisted-Chinese-companies>

US policy of 'technological apartheid' could lead to a new Dark Age

William Jones

Global Times, 06 June 2022

A New York Times article earlier this month documented how the US is attempting to defeat Russia in its "surrogate war" with Ukraine by ultimately starving it of needed technology for its military production, in particular, restricting Russia from access to semiconductors needed for most of their weapons. The modus operandi is similar to what British intellectuals H.G. Wells and Bertrand Russell, members of the exclusive Sunday meeting club, known as "The Coefficients," proposed at the beginning of the 20th century, maintaining a secret monopoly on new technologies in order to maintain the "hegemony" of the then-failing British Empire. Undermining China's Belt and Road Initiative, the only serious initiative taken over the last 50 years in dealing with the endemic problem of poverty and underdevelopment, will throw these countries into conditions of

destitution similar to the Dark Ages of the 14th Century. And while the US IPEF and the Big Back Better World promise prosperity for those prepared to "worship" at the altar of US hegemony, the US has not built a railroad, anywhere, not even in the US, since the World War II. It is in no shape to industrialize Africa, if it even had the will to do so.

<https://www.globaltimes.cn/page/202206/1267434.shtml>

Naval ships conduct beach landing exercise in South China Sea

China Military Online, 06 June 2022

Three landing ships attached to a landing ship flotilla with the PLA Navy, including Kunlunshan, Laotieshan and Songshan, conducted a beach landing exercise in waters of the South China Sea, carrying landing craft air cushions (LCACs), ship-borne helicopters, and amphibious armored infantry fighting vehicles (IFVs). The exercise involved multi-dimensional landing operations on LCACs beach landing, formation maneuvering of amphibious armored vehicles, helicopter fast-roping and multi-arms coordination.

https://eng.chinamil.com.cn/view/2022-06/06/content_10160901.htm

North Korea's shift closer to China and Russia comes at hefty cost

Hiroshi Minegishi

Nikkei Asia, 06 June 2022

The war in Ukraine has brought North Korea and China closer together than ever before, but will it last? "Historically, North Korea's relations with China have soon run into trouble under circumstances like the ones we see at the moment," said a North Korean source knowledgeable on the three generations of dictatorship in the hermit nation, predicting the present "honeymoon" between the two countries could fade. As North Korea becomes more dependent on China, Beijing's influence will grow. But wariness toward the former colonial power is deeply ingrained in the minds of North Korean leaders. On May 26, something unprecedented happened at the United Nations headquarters in New York: China and Russia vetoed a draft Security Council resolution aimed at tightening sanctions against North Korea. It was the first time the council had done that after unanimously adopting all 10 previous resolutions since 2006, the year Pyongyang conducted its first nuclear test.

<https://asia.nikkei.com/Spotlight/Comment/North-Korea-s-shift-closer-to-China-and-Russia-comes-at-hefty-cost>

Army amphibious troops train with navy landing ships

China Military Online, 07 June 2022

An amphibious armoured element of a brigade under the PLA 74th Group Army recently engaged in an exercise in collaboration with the navy landing ships. Applying realistic battlefield environment, the exercise aimed at verifying the troops' combat capabilities of fast embarkation/disembarkation, long-distance ferrying, and assault landing among others.

https://eng.chinamil.com.cn/view/2022-06/07/content_10161227.htm

PLA warns away Australian spy plane for close airspace trespass in China's Xisha

Global Times, 07 June 2022

The Chinese People's Liberation Army (PLA) warned away an Australian spy plane when it recently attempted to trespass into Chinese airspace of the Xisha Islands in the South China Sea for close-in reconnaissance, the Chinese Defense Ministry said, debunking Australia's claim that a PLA warplane intercepted the Australian aircraft and threatened the safety of its crew. The PLA Southern Theater Command organized maritime and aerial forces to identify and warn away an Australian P-8A ASW aircraft, when it repeatedly approached the Chinese airspace of the Xisha Islands for a close-in reconnaissance on May 26 despite repeated warning from the Chinese forces, Senior Colonel Tan Kefei, a spokesperson at China's Ministry of National Defense, said in a statement. The Australian warplane severely threatened China's sovereign security, and the Chinese military's countermeasures were professional, safe, reasonable and legitimate, Tan said.

<https://www.globaltimes.cn/page/202206/1267471.shtml>

Military potential of China's Zhu Hai Yun: The world's first AI-powered drone carrier

Kashif Anwar

Financial Express, 07 June 2022

In recent years, the world has witnessed intense competition between the US and China, ranging from economic and military dominance so that they could secure superiority in new emerging technologies like Artificial Intelligence (AI). AI is considered a part of the Fourth Revolution; it is an enabling technology rather than a weapon, thus providing wide application of the technology for civil and military purposes. In such a regard, AI has become one of the main aspects of power competition between the US and China. Currently, the US enjoys dominance in this field, but in recent years advancement made through Research and Development (R&D) in AI in China has started to bridge the gap between countries. Unlike the US, China overlaps the usage of AI and is using such technology for both civil and military purposes.

<https://www.financialexpress.com/defence/military-potential-of-chinas-zhu-hai-yun-the-worlds-first-ai-powered-drone-carrier/2551697/>

China plans to start building first-ever solar power plant in space by 2028

Stephen Chen

South China Morning Post, 07 June 2022

China plans to launch an ambitious space solar power plant programme in 2028, two years ahead of the original schedule, according to scientists involved in the project. A satellite will be launched that year to test wireless power transmission technology from space to the ground from an altitude of 400km (250 miles), according to the updated plan in a paper published in the peer-reviewed journal Chinese Space Science and Technology. In the paper, the researchers said the satellite would convert solar energy to microwaves or lasers and direct the energy beams to various targets, including fixed locations on Earth and moving satellites.

<https://www.scmp.com/news/china/science/article/3180627/china-brings-forward-plans-space-solar-power-plant>

China achieves biggest sci-tech progress in past decade: Minister

Cao Qingqing, Liu Tianwen

CGTN, 07 June 2022

The past decade has witnessed China's biggest progress in science and technology, with the country climbing to the 12th position on the global list of most innovative economies, up from the 34th place in 2012, a Chinese official said. Wang Zhigang, Chinese minister of science and technology, made the remarks at a press briefing in Beijing, citing the Global Innovation Index released annually by the World Intellectual Property Organization (WIPO).

<https://news.cgtn.com/news/2022-06-06/China-achieves-biggest-sci-tech-progress-in-past-decade-Minister-1aEe7x5zFqU/index.html>

China says all IAEA member states must agree before Aukus nuclear sub project begins

Liu Zhen

South China Morning Post, 07 June 2022

The nuclear submarine project between Australia, the United States and Britain should not begin until all International Atomic Energy Agency members agree, China's foreign ministry said on Tuesday. Foreign ministry spokesman Zhao Lijian said that at China's request, the IAEA had for the third time decided to establish a special formal agenda to discuss issues around the Aukus group's nuclear submarine cooperation regarding the transfer, safeguarding and supervision of nuclear materials, which could affect the Nuclear Non-Proliferation Treaty (NPT). "China has repeatedly stressed that the cooperation between the United States, Britain and Australia on nuclear submarines poses a serious nuclear proliferation risk, affects the international nuclear non-proliferation system, intensifies the arms race and undermines regional peace and stability," Zhao said in Beijing.

<https://www.scmp.com/news/china/diplomacy/article/3180773/china-says-all-iaea-member-states-must-agree-aukus-nuclear-sub>

China enters critical period of advancing large-scale 5G applications

CGTN, 07 June 2022

China has entered a critical period of advancing large-scale applications of 5G technology almost three years after the country greenlighted the commercial use of 5G in 2019, the Ministry of Industry and Information Technology (MIIT) said. So far, a total of 1.615 million 5G base stations have been built across China, with 654,000 added in 2021, according to the MIIT. The nation's 5G network now covers all prefecture-level cities and county-level urban areas and 87 percent of township-level urban areas across the country, the MIIT said. China currently has more than 413 million 5G mobile phone users. According to the MIIT, 2,400 "5G+industrial internet" projects are under construction, creating over 20,000 5G application scenarios.

<https://news.cgtn.com/news/2022-06-07/China-enters-critical-period-of-advancing-large-scale-5G-applications-1aF7Z9Ejk8U/index.html>

China's radio telescope detects first persistently active repeating fast radio burst from 3b light years away

Zhang Hui

Global Times, 08 June 2022

An international team led by Chinese scientists discovered and located the first persistently active repeating fast radio burst (FRB) with the help of the world's largest radio telescope, China's Five-hundred-meter Aperture Spherical Radio Telescope (FAST), which indicated the evolution of FRBs and may help scientists understand the origin of the brightest radio waves emanating from billions of light years outside the galaxy. The new FRB, named FRB190520B, was discovered in a metal-poor dwarf galaxy 3 billion light years away. The initial discovery was made by Niu Chenhui, a research fellow from the National Astronomical Observatories of the Chinese Academy of Sciences (NAOC) through FAST from May 20, 2019. Then Law Casey, a scientist with the California Institute of Technology who led a Jansky Very Large Array (JVLA) program located the FRB190520B in July 2020.

<https://www.globaltimes.cn/page/202206/1267636.shtml>

"India Looks Forward To Joining Nuclear Suppliers Group": S Jaishankar

NDTV, 08 June 2022

India is looking forward to joining the Nuclear Suppliers Group (NSG), overcoming the political impediments that are against global interest, External Affairs Minister S Jaishankar said. China has been stridently opposing India's NSG bid primarily on the grounds that New Delhi is not a signatory to the Nuclear Non-Proliferation Treaty (NPT). Its opposition has made India's entry into the group difficult as the NSG works on the principle of consensus. "As a nation with a substantial nuclear industry, we also look forward to joining the Nuclear Suppliers Group, overcoming the political impediments that are against global interest," Mr Jaishankar said.

<https://www.ndtv.com/india-news/india-looks-forward-to-joining-nuclear-suppliers-group-s-jaishankar-3047019>

China R&D key part of 'global portfolio', but technology leaks remain concern, report says

Wendy Wu

South China morning Post, 08 June 2022

China's vibrant innovation ecosystem makes it increasingly part of global research and development strategies for multinational companies, but concerns over technology leaks remain, a report said. Eyeing the sizeable market potential and the fast pace of the commercial application of research and development results in China, an overwhelming majority of European firms will increase spending in China this year, according to a report by the European Union Chamber of Commerce in China and the Berlin-based Mercator Institute for China Studies (Merics). "China-based R&D strategies are becoming more and more integrated with global strategies, a component of a global portfolio," said Jacob Gunter, senior analyst with Merics.

<https://www.scmp.com/economy/global-economy/article/3180834/china-rd-key-part-global-portfolio-technology-leaks-remain>

China and Sweden should deepen cooperation on 5G and 6G: Chinese ambassador

Global Times, 08 June 2022

It is hoped that China and Sweden will focus on development and cooperation, reduce technological differentiation, jointly deepen the cooperation on 5G and 6G, and strive to establish a global unified 5G and 6G standards, Chinese Ambassador to Sweden Cui Aimin said on Tuesday. Cui made the remarks while he was invited to visit Ericsson's headquarters in Stockholm, and met Börje Ekholm, President and CEO of the Ericsson Group, during which the two sides exchanged views on deepening practical cooperation in the field of information and communication. Ekholm said Ericsson attaches great importance to the Chinese market and will continue to deepen engagement in the country. Ericsson will share the huge opportunities of China's development, and work with Chinese companies such as Huawei to promote the unification of global information and communication standards, Ekholm said.

<https://www.globaltimes.cn/page/202206/1267556.shtml>

Shenzhou-14 taikonauts to conduct 24 medical experiments in space

Xinhua, 09 June 2022

Taikonauts of the Shenzhou-14 crew will carry out 24 in-orbit medical experiments during their six-month stay in China's space station, according to the China Manned Space Agency. These space medical experiments are mainly designed to study how the weightless environment and spaceflights affect taikonauts, said Li Yinghui, deputy chief designer of China's manned space program taikonaut system. Compared with previous crewed missions, the Shenzhou-14 will collect body fluid samples, including taikonauts' blood, urine, and saliva. The trio will also use non-invasive optical methods to measure muscle loss and analyze urine metabolites. Li also noted that the body data collected by the previous Shenzhou-12 and Shenzhou-13 taikonauts has laid a good foundation for subsequent research by the Shenzhou-14 crew.

<https://english.news.cn/20220609/d30b10465f0946178e1163c1cd93c550/c.html>

Baidu-backed JIDU unveils ROBO-01, its first concept robocar, echoing Tesla's Model-Y

Global Times, 09 June 2022

After 463 days of cross-border entry into the auto arena, Baidu's car manufacturing ushered in a new milestone. JIDU, an intelligent electric vehicle company backed by Baidu and Geely, unveiled its first concept robocar ROBO-01. JIDU plans to officially launch limited versions of its first production model during the coming fall, which will be 90 percent similar to the ROBO-01 concept car. In addition, JIDU will also unveil the design of its second production model at the Guangzhou Auto Show later this year. Xia Yiping, CEO of JIDU said that JIDU's first mass-produced model is positioned as a medium-sized SUV, directly targeting the Tesla Model Y, and its intelligence level surpasses that of the Tesla generation. From the era of traditional car manufacturing to the era of new car manufacturing, the average R&D cycle for new cars has been shortened from 4-5 years to 2-3 years. From the establishment of JIDU in March 2021 to the debut of its first concept car in June this year, the producer has updated its car manufacturing progress almost every 1-2 months on average over a 15-month period.

<https://www.globaltimes.cn/page/202206/1267679.shtml>

PLA Hong Kong Garrison conducts maritime training exercise

China Military Online, 09 June 2022

Guided-missile frigates Suqian (Hull 666) and Jingmen (Hull 667) attached to the PLA Hong Kong Garrison conducted a multi-subject maritime training exercise in waters off Hong Kong. During the five-day-long training exercise, the naval troops set up a multi-dimensional scenario featuring various factors, and conducted a dozen subjects including anti-ship combat, air and missile defense, naval surface fire support, as well as counter-terrorism and anti-piracy, in a bid to test the troops' capability of command and coordination under complex battlefield situation.

http://eng.chinamil.com.cn/view/2022-06/09/content_10161723.htm

China urges U.S. to take meaningful, concrete actions to ease Korean Peninsula tensions

CGTN, 09 June 2022

Zhang Jun, China's permanent representative to the United Nations (UN), urged the United States to take meaningful and concrete actions to relieve tensions on the Korean Peninsula. "Where the situation goes from here will depend, to a large extent, on the actions of the U.S., and the key lies in whether the U.S. can face up to the crux of the problem, demonstrate a responsible attitude, and take meaningful and concrete actions," Zhang said, calling on all parties to "avoid any action that could escalate tensions and lead to miscalculation." Zhang made the remarks at a UN General Assembly debate on the Korean Peninsula issue, the first of its kind since the General Assembly adopted a resolution on April 26 that allows it to convene automatically when a veto is cast in the Security Council. On May 26, China and Russia vetoed a Security Council draft resolution aimed to impose new sanctions on the Democratic People's Republic of Korea (DPRK), triggering the General Assembly meeting.

<https://news.cgtn.com/news/2022-06-09/China-urges-U-S-to-take-meaningful-actions-over-Korean-Peninsula-1aInNi0kEHm/index.html>

China, Russia defend North Korea vetoes at U.N.

Nikkei Asia, 09 June 2022

China and Russia defended their vetoes of a strongly backed U.S resolution that would have imposed tough new sanctions on North Korea at a first-ever General Assembly meeting that is now required for any measure that sparks a veto in the Security Council by one of its five permanent members. The close allies reiterated their opposition to more sanctions, blaming the United States for rising tensions on the Korean Peninsula and insisting that what's needed now is dialogue between North Korea and the Biden administration. Nearly 70 countries signed up to speak at the open meeting which General Assembly President Abdalla Shahid hailed as making the U.N. more efficient and accountable.

<https://asia.nikkei.com/Politics/International-relations/China-Russia-defend-North-Korea-vetoes-at-U.N>

The illegal transfer of nuclear weapons materials involved in AUKUS cannot be denied: Chinese envoy

Global Times, 10 June 2022

The Australia-UK-US (AUKUS) trilateral nuclear submarine cooperation violated the Treaty on the Non-Proliferation of Nuclear Weapons (NPT), the comprehensive safeguards agreement of the International Atomic Energy Agency (IAEA) and additional protocol signed between Australia and the IAEA, China's Permanent Representative to the United Nations in Vienna Wang Qun said, noting the US, the UK and Australia must give an account to the international community. No matter what name the three countries give to the AUKUS and how they handle relevant nuclear weapon materials, the essence of the illegal transfer of nuclear weapon materials involved in AUKUS cannot be denied, Wang said. Wang made the remarks when addressing a meeting of the IAEA Board of Governors, which deliberated the issue of the transfer of nuclear materials in the context of AUKUS and its safeguards in all aspects under the NPT. The Chinese envoy said the AUKUS has a far-reaching negative impact on global strategic stability, security order and regional peace and stability, which should be politically responded to by relevant international and regional security mechanisms.

<https://www.globaltimes.cn/page/202206/1267784.shtml>

China makes major breakthrough to advance future intelligent robotics

Liu Xun

CGTN, 10 June 2022

Chinese scientists developed a multimode-fused spiking neuron (MFSN) array, which can sense different shapes, temperatures and weights just like human beings' multi-sensory perception, making a major breakthrough and contributing to future development of intelligent robotics, the Chinese Academy of Sciences (CAS) announced. The research, conducted by scientists from the Institute of Microelectronics (IME) of the CAS and Fudan University, was published in the material science academic journal Advanced Materials.

<https://news.cgtn.com/news/2022-06-10/China-makes-major-breakthrough-to-advance-future-intelligent-robotics-1aKiREwZplK/index.html>

S. Korean, Chinese defense chiefs hold talks in Singapore on N. Korea, regional security

The Korea Times, 10 June 2022

The defence chiefs of South Korea and China held bilateral talks on the margins of a security forum in Singapore, with North Korea's continued saber-rattling high on their agenda. The talks between Defense Minister Lee Jong-sup and his Chinese counterpart, Wei Fenghe, came as Seoul seeks to secure regional cooperation to stop Pyongyang's provocations amid concerns about the possibility of the regime carrying out a nuclear test. Lee called on China to play a constructive role to encourage the North's denuclearization. "Minister Lee stressed the need for South Korea and China to work together to make the North understand the benefits that it can get from abandoning nuclear arms outweigh the costs of possessing nuclear arms," Seoul's defence ministry said in a press release.

http://www.koreatimes.co.kr/www/nation/2022/06/113_330803.html

*Sylloge on China is compiled by Mr. Niranjana C. Oak with inputs
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