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# Newsletter

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## 2023 APAR Asia-Pacific Adolescent Science & Technology Innovation Carnival Held

On August 2, 2023, the 2023 APAR Asia-Pacific Adolescent Science & Technology Innovation Carnival took place in Kunming, Yunnan Province. Themed “Empowering with Technology • Responding to Climate Change” and under the academic guidance of the ICEE Base of Future Science and Technology Education, this event was co-sponsored by Asia-Pacific Adolescent Robot Association (APAR), Hong Kong Artificial Intelligence Education Research Institute and the APAR China Committee, and organized by Beijing Baby Bright Future Education Technology Co., Ltd. SHEN Ye, Assistant to Secretary-General of the International Centre for Engineering Education under the auspices of UNESCO (ICEE) and Secretary-General of the Global Partnership Board of ICEE, and LIU Binli, head of the ICEE Base of Future Science and Technology Education, attended the event.



SHEN Ye delivers a speech at the opening ceremony

At the opening ceremony, SHEN Ye gave a brief introduction to ICEE. She said that ICEE and APAR, the organizer of the carnival, coincide in terms of science and technology innovation and talent training. Over the years, the two sides have developed a good interactive and cooperative relationship. Due to its open and international characteristics, the APAR Asia-Pacific Adolescent Science & Technology Innovation Carnival has attracted more and more young people. With the timely and practical theme, this event can stimulate students to think deeply and scientifically about climate issues and explore solutions with science and technology.



LIU Binli delivers a speech at the opening ceremony

In the opening speech, LIU Binli said that during this carnival, many places around the country were suffering from extreme weather such as typhoons and rainstorms. Therefore, the theme of “Empowering with Technology • Responding to Climate Change” is very timely and also urgent. The extreme weather is a result of global climate change. Therefore, we need to look beyond the surface issues to understand the deeper causes of climate change and use our

own thinking and innovation to better address the challenges of climate change. He also hoped that the young people participating in the event would grow into practitioners of environmental science and technology and pioneers to respond to climate change in the future.



A glimpse of the Carnival

With a focus on “Empowering with Technology • Responding to Climate Change”, this carnival includes four competitive sub-themes, namely, Resources Recycling, Energy Conservation and Carbon Reduction, Climate Emergency and Energy Recovery. In the sub-theme of Resources Recycling, the youth teams explored ways to turn waste into treasure. They simulated the process of garbage sorting and transfer, and realized the harmless treatment and recycling of garbage. In the sub-theme of Energy Conservation and Carbon Reduction, the teams optimized the travel routes of their inspection robots, and achieved the project goal of reducing travel time and carbon footprint. In the sub-theme of Climate Emergency, the teams created innovative works on urban construction and planning to effectively cope with the secondary natural disasters caused by climate change. And in the sub-theme of Energy Recovery, robots were manipulated to grab, carry and purify energy and resource blocks to optimize the production, transportation and purification processes of renewable clean energy.

This carnival attracted nearly 100 young science and technology innovation talents from across China, including Beijing, Chongqing, Dongguan, Guangzhou, Guiyang, Hangzhou, Lanzhou, Kunming, Urumqi and Xi’an. The event effectively improved the scientific and technological innovation literacy of the young participants and enhanced their sense of responsibility to jointly

address global challenges. In the future, the ICEE Base of Future Science and Technology Education will continue its efforts to promote the cultivation of engineering talents and the innovative development of engineering science and technology.

(Edited by LI Chao; Reviewed by SHEN Ye, XU Lihui, HE Shiyu)

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