

The Greater New York Region Chinese Association for Science and Technology 2023 Symposium was held successfully on the October 7th at the Grove School of Engineering of the City College of New York, the Founding Institution of the City University of New York. The event centered on the themes of Artificial Intelligence (AI), Robotics, Clean Energy, and Education. It was co-organized by the Robotics Research Laboratory of the City College of New York and supported by the IEEE Artificial Intelligence Standards Committee.

The Greater New York Chinese Association for Science and Technology, a cross-discipline nonprofit professional society in the United States was established in 1992, dedicated to promotion of academic exchange and collaboration; technology innovation and entrepreneurship, STEM education, and cultural diversity.

The 2023 Symposium featured renowned experts in AI, green energy, and learning technology, and they delivered insightful and enlightening speeches. University scholars and students from the greater New York area presented their academic posters for knowledge sharing and research collaboration.

Dr. Hod Lipson, professor of mechanical engineering and data science at Columbia University, a world-renowned robotics expert, gave a keynote speech on "The Future of Artificial Intelligence". He presented the six waves of AI technology development and the concept of AI machines teaching each other. His thought-provoking talk sparked extensive discussions during the conference.

Dr. Ching-Yung Lin, CEO of Graphen.ai and adjunct professor of the Department of Electrical Engineering at Columbia University, introduced the real-life applications of the AI powered virtual human, designed and constructed by Graphen.ai. Dr. Kaifeng Chen, Chairman and CEO of Edoc Acquisition Corporation, Chief Economist and CIO of Horizon Financial, and adjunct professor at New York University, presented AI in investment, the trends and financial case analysis.

Dr. Pankaj Lal, professor of Earth and Environmental Studies at Montclair State University and Founding Director of the Clean Energy and Sustainability Analysis Center, presented his real-world insight about the clean energy economy, and highlighted the success of university, industry, government, and community partnership models that facilitate the innovation ecosystem and help the New York-New Jersey region emerge as the nation's key hub for clean energy innovation and technology.

Dr. Xiangen Hu, a Professor with joint appointment from Department of Psychology, Electrical and Computer Engineering, and Computer Science at the University of Memphis, USA, delivered a keynote speech on "AI Enhanced Learning Technology and its Potential Impact on Mental Health and Higher Education." Richard Tong, Chairman of the IEEE Artificial Intelligence Standards Committee, and Chief Architect at Carnegie Learning, illustrated the architecture of generative AI and highlighted the disruptive changes that Generative AI will bring to the field of

education. Xiaohong Huang, Principal of the New York Military Academy, and her student team presented AI-enhanced afterschool programs, which elevated the youth education to a new level.

The conference also showcased a mini desk-top industrial Robot "WLKATA Mirobot," developed by Wristline Inc, a startup in New Jersey. This robot, with the same programming control logic and functions as an industrial six-axis robotic arm, is tailored for educational tasks such as writing, drawing, laser engraving, transportation, and palletizing. The function demonstrations attracted many students' and educators' attention.

In summary, this annual conference facilitated extensive research information exchange, broadened horizons for students, and enhanced friendship among attendees.