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Jiaxing · China

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Lecture:

China's Commercial Launch Vehicle: An Easier Way to Space Access

With over 15 years of experience in satellite systems engineering and project management, Yawei Xu has built a career at the intersection of cutting-edge technology and global space collaboration. He holds a Bachelor's degree in Artificial Intelligence and Control Science from Huazhong University of Science and Technology (HUST), which included an academic exchange at the University of Manchester (UK), and a Master's degree in Spacecraft Dynamics from the China Academy of Space Technology (CAST).

His early technical contributions include Attitude and Orbit Control System (AOCS) design for key national missions such as China's Shenzhou-9 and Shenzhou-10 crewed spacecraft, as well as the Yutu-1 lunar rover. He later expanded his scope to major international satellite projects through China Great Wall Industry Corporation (CGWIC), where he played a central role in projects like PakSat-1R (Pakistan), TKSAT-1 (Bolivia), NigComSat-1R (Nigeria), and VeneSat-1 (Venezuela). His responsibilities covered a wide spectrum—from in-orbit delivery and ground segment development to complex financing and client coordination.

In addition to initial deployment, he has overseen long-term operational support and maintenance for several communications satellites, including LAOSAT-1 and APSTAR-9. Today, he is actively engaged in China's dynamic private space sector, working to facilitate commercial launch services for a growing portfolio of international clients.

Combining deep technical expertise in AOCS and spacecraft systems with a proven record of end-to-end project leadership, Dir. Xu bridges the domains of engineering execution and strategic program delivery across both governmental and commercial space initiatives.