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Lecture:

Introduction to the Hongkong Operation Robot for Chang'E 8

Prof. Hongyu Yu earned his B.S. and M.S. degrees in Electronics Engineering from Tsinghua University, China, in 1997 and 2000, respectively, followed by a Ph.D. in Electrical Engineering from the University of Southern California (USC), USA, in 2005. He continued at USC as a postdoctoral research associate from 2005 to 2007.

In 2008, Prof. Yu joined Arizona State University (ASU), where he held a joint appointment in the School of Earth and Space Exploration and the School of Electrical, Computer and Energy Engineering. He served as an Assistant Professor from 2008 to 2014, and as an Associate Professor from 2014 to 2017. During his tenure at ASU, he led several high-impact research projects funded by NASA, the National Science Foundation (NSF), and Intel.

Since January 1, 2018, Prof. Yu has been with The Hong Kong University of Science and Technology (HKUST), where he continues to pursue innovative, interdisciplinary research. His work is driven by a passion for developing engineering solutions that bridge fundamental science and real-world applications.

Prof. Yu's current research focuses on smart structures, advanced sensors and sensing platforms, and miniaturized instrumentation. His technologies are designed for use in a range of domains, including CubeSats, unmanned aerial vehicles, and consumer electronics. His work emphasizes both scientific excellence and practical relevance, with the goal of making meaningful contributions to academia as well as to industry and society.

Prof. Yu is widely recognized for his ability to integrate engineering with space and earth sciences, and for fostering innovation in microsystems and instrumentation that meet both exploratory and commercial demands.