



**MNS2025**  
Jiaxing · China

# HONG'EN ZHONG



Deputy Chief Designer of the Space Utilization System, China  
Manned Space Program  
Distinguished Core Researcher, Chinese Academy of Sciences  
Expert Awarded the State Council Special Government Allowance

## Lecture:

### Chinese Space Station: Capabilities, Research Progress and Future Development

With over three decades of experience in aerospace engineering, Expert Zhong is a leading authority in space mission system engineering. His work has played a crucial role in advancing China's capabilities in space science, with a particular focus on the development and integration of mission-critical technologies.

He has received numerous accolades in recognition of his contributions, including the prestigious State Council Special Government Allowance, as well as first and second prizes in Ministerial and Provincial Science and Technology Progress Awards. He is also a recipient of the distinguished Zeng Xianzi Manned Spaceflight Award.

Throughout his career, Expert Zhong has led several groundbreaking initiatives. He was responsible for developing the integrated Earth observation system aboard Tiangong-1, China's largest space utilization program within the Manned Space Laboratory. He also led the design and implementation of the primary science payload for the core module of the China Space Station—both of which marked significant milestones in the nation's human spaceflight program.

Currently, Expert Zhong leads technical work related to materials science, astronomy, and Earth sciences on the China Space Station. His leadership continues to drive forward technological and scientific innovation, contributing to leapfrog advances in space science and its real-world applications.

In addition to his research and engineering work, he plays a key role in shaping space policy and technical standards in China. He is a member of the China Manned Space National Standardization Committee and the National Committee on Astronautic Technology and Application Standardization. He also serves as a senior expert for several Chinese national ministries, supporting the development of long-term strategic goals for China's space program.