



**MNS2025**  
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# FEI XING

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## Lecture:

### Space Microsystems and Intelligent Remote Sensing Payload Technology

Prof. Fei Xing is a Distinguished Changjiang Scholar appointed by the Ministry of Education and serves in the Department of Precision Instruments at Tsinghua University. He is the recipient of the 3rd Scientific Exploration Award and currently holds the position of Executive Director of the Space Instrumentation Division of the Chinese Society for Instruments and Meters.

His research primarily focuses on intelligent microsystems and their aerospace applications. Over the course of his career, Prof. Xing has led numerous high-level scientific and technological projects, including national key R&D initiatives under the Ministry of Science and Technology's 863 Program, as well as major instrument development projects funded by the National Natural Science Foundation of China, such as the Outstanding Youth Science Fund.

Prof. Xing's innovations have led to extensive technology transfer and real-world deployment. His team has developed more than 400 spaceborne optical attitude sensors and microsystems, which have played critical roles in major national programs, including China's high-resolution Earth observation projects and lunar exploration missions. His technologies have also reached international markets, with exports to Europe, the United States, and Japan.