



澳門大學
UNIVERSIDADE DE MACAU
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講者簡介 Speaker Profile

吳一戎院士，現任中國科學院空天信息研究院院長，中國科學院大學電子電氣與通信工程學院院長，中國科學院信息技術科學部第十六屆常委會副主任，國務院學位評定委員會信息與通信工程學科召集人，國家傑出青年基金獲得者。2007年當選中國科學院院士。

從事微波成像技術以及大型遙感地面處理系統的設計和研製工作，推動國家航空遙感系統的建設與發展。在微波成像領域，發明了多維度微波成像技術和稀疏微波成像技術，領導了關鍵技術的攻關，並將成果應用於後續的衛星系統。在遙感衛星地面處理與應用系統的體系結構、數據處理演算法等方面，系統性地解決了一系列理論問題與關鍵技術及推動了一系列國際領先的航空對地觀測載荷的發展。曾獲得多個國家和省部級重大獎項。

Academician Yirong WU is currently Director-general of the Aerospace Information Research Institute under the Chinese Academy of Sciences (CAS), dean of the School of Electronic, Electrical and Communication Engineering of University of Chinese Academy of Sciences, and deputy director of the 16th Standing Committee of the Division of Information Technical Sciences of the CAS. He has been convener of the information and communication engineering discipline panel of the State Council Academic Degree Committee and awardee of the National Science Fund for Distinguished Young Scholars. In 2007, Wu was elected as academician of the CAS.

Wu is engaged in microwave imaging technology and the design & development of large remote sensing ground processing systems. He has been advancing the construction and development of China's aeronautic remote sensing system. In the field of microwave imaging, he has invented the technologies of multi-dimensional microwave imaging and sparse microwave imaging. He has played a leading role in tackling key technological difficulties and applied the results to the subsequent satellite systems. In areas such as the architecture of remote sensing satellite ground systems for processing and application, and data processing algorithms, he has solved a series of theoretical and key technological problems. Moreover, he has also facilitated a chain of world-leading advancements in aeronautic payloads for Earth observation. His accomplishments have won him many major awards at the national and provincial levels.