

Candidate for Vice-president

of the Commission for Observation, Infrastructure
and Information Systems (INFCOM)

Dr CHAN Pak-wai

Director of the Hong Kong Observatory

Permanent Representative of Hong Kong, China with WMO



Active Involvement in WMO and ICAO Activities

Dr Chan has been actively participating in the work of the World Meteorological Organization (WMO) and the International Civil Aviation Organization (ICAO) for many years. He is currently a Co-Vice-Chair of WMO Standing Committee on Measurements, Instrumentation and Traceability (SC-MINT), promoting standardization of meteorological observations. Dr Chan is also the Chair of the Meteorology Sub-group (MET SG) of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG), responsible for assisting with the implementation of aviation meteorological services in the Asia-Pacific region and ensuring continuous development of aviation meteorology in a coordinated way.

Professional Leadership in Meteorological and Hydrological Service

Dr Chan joined the Hong Kong Observatory in 1994. He has been extensively involved in the research and operation of airport meteorological instrumentation, low-level windshear and turbulence alerting, and high-resolution NWP for more than 20 years. Dedicated to enhance aviation safety, he developed the world's first LIDAR windshear alerting system for Hong Kong International Airport. He also led a team in the development of a dropsonde system for missions over the northern part of the South China Sea to improve tropical cyclone monitoring. Dr Chan was also a presenter on TV weather programme to report the weather for general public. In recent years, Dr Chan has been actively introducing AI in meteorological research and weather forecasting, and continues to enhance the performance of meteorological instruments to improve the prediction of severe weather such as typhoons and rainstorms.

Strong Background in Scientific Research

Widely recognised as an expert in ground-based remote sensing meteorological instruments, Dr Chan has a strong publication record with over 400 SCI journal papers primarily focused on meteorological instruments and measurements, NWP model applications, and hazardous weather. He is a visiting professor at several universities and serves as an editorial board member of many esteemed scientific journals.