

Join this UCT-SANCOR Seminar by

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Diversity of the Austral Summer Quasi-biweekly Oscillation in the Southwestern Indian Ocean



Monday,
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13h00 SAST



UCT Oceanography
Seminar Room
([map](#)) or
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Abstract

The 10-20d quasi-biweekly oscillation (QBWO) is very active in the Southwestern Indian Ocean (SWIO) during the austral summer, which is less understood. This QBWO is closely associated with the monsoon and ITCZ. It reaches into the Mozambique channel, the Agulhas current and adjacent regions. Analysis demonstrates there are two kinds of propagation including the eastward and the poleward. QBWO can affect the extreme weather and climate events, such as the extreme rainfall and land/marine heatwaves. The process study here further helps plan the *in situ* observation of air-sea interactions associated with the proposed Agulhas current cruise to be conducted in early 2026.

About the Speaker

Professor Weidong Yu is a climate and ocean scientist at Sun Yat-Sen University's School of Atmospheric Sciences. His research focuses on ocean-atmosphere interactions, particularly monsoon dynamics in the Indo-Pacific. He has held senior roles at the First Institute of Oceanography and the National Marine Environmental Forecasting Center. Prof. Yu has contributed to international climate initiatives, including as co-chair of the TPOS 2020 Steering Committee and the Ocean Observation Panel for Climate. Widely published, he is recognised for advancing ocean and climate science to support sustainable development, disaster resilience, and improved climate observation systems.