



HARNESSING WEATHER- CLIMATE SCIENCE FOR SOCIETAL RESILIENCE



Prof. Yiming will provide an overview of the latest advances in weather-climate science, with a focus on extreme weather events, cutting-edge modeling techniques (including ML/AI), and recent theoretical developments. Drawing on his published work, he will explore several topics of particular relevance to Singapore and Southeast Asia—including ocean warming patterns, monsoons, the Madden-Julian Oscillation (MJO), and Mesoscale Convective Systems (MCS)—emphasizing that regional downscaling must remain connected to global dynamics and theoretical foundations. He will conclude by offering reflections on how actionable weather-climate information can be better integrated into decision-making processes, while also fostering interdisciplinary research and development.

When:

**1 July 2025,
4 - 5.30 pm**

Location:

LT31

6 Science Drive 2, S16
Faculty of Science,
Singapore 117546,
National University of
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Prof. Yi Ming

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**Register
here:**

