Mini-workshop on TC projection

Oct. 24 (Fri), 2025
9:30-12:00
Venue: Room 102, Lecture Hall 6, College of Education, Yokohama National University (YNU)
CampusMap, S3-1 (see below)

How to access YNU: Access: Yokohama National University official website.

Synopsis
In this mini-workshop, we will discuss recent advances in tropical cyclone (TC) projection studies, along with a review of the latest observed characteristics of tropical cyclones. We also aim to explore potential strategies for coordinating numerical simulation studies to enhance our understanding and improve future projections of TC activity.

Agenda:
- Suzana Camargo: Trends and ENSO-related variability in Atlantic tropical cyclone intensity and intensification
- Johnny Chan: Landfalling Typhoons in East Asia: Climatology, Variability and Projections
- Yuqing Wang: Impact of Global Warming on tropical cyclone Intensification implied from a recent time-dependent theory
- Ruifan Zhan; Response of tropical easterly jet to different global warming patterns and implications for future tropical cyclone activity
- Yohei Yamada: Diverse response of tropical cyclogenesis to different pattern of future change in sea surface temperature
- Masaki Satoh: Intercomparison Experiments with Global Storm-Resolving Models for Tropical Cyclone Projections

References:
Chan, J. C. L., 2023: Frequency and intensity of landfalling tropical cyclones in East Asia: Past variations and future projections. Meteor., 2, 171-190 DOI: 10.3390/meteorology2020012

Michael K. Tippett and Suzana J. Camargo (2025) Trends and ENSO-related variability in Atlantic tropical cyclone intensity and intensification. J. Climate, https://doi.org/10.1175/JCLI-D-25-0106.1

Yuqing Wang, Masaki Satoh, Ruifen Zhan, Jiuwei Zhao, and Shang-Ping Xie (2025) Tropical Sea Surface Warming Patterns and Tropical Cyclone Activity– A Review. Advances in Atmospheric Sciences, https://doi.org/10.1007/s00376-025-5114-1


With the main street as the border, the north side is N area and the south side is S area.
North Gate
West Gate
South Gate
South Side Gate
East Side Gate
Main Gate
Main street
Hijirigaoka
Kamadai juutaku-dai1
Kamadai juutaku-dai2
Stormwater Reservoir
Kokudai-nishi
Kokudai-kita
Kokudai-Chuo
Kokudai-minamimon
Tokiwadai International Residence
Central Library
Daigakukaikan-mae
Nursery
Multi-purpose Sports Ground
Yokohama-shindo
Yokohama-kokuritsu-daigaku-seimon-mae
N1
N2
N3
N4
N5
N6
N7
N8
N9
N10
S1
S2
S3
S4
S5
S6
S7
S8
S9
Cafeteria and Lunch Box Stand
Convenience Store
ATM