CPAESS Discovery Seminars

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Jan-Huey Chen
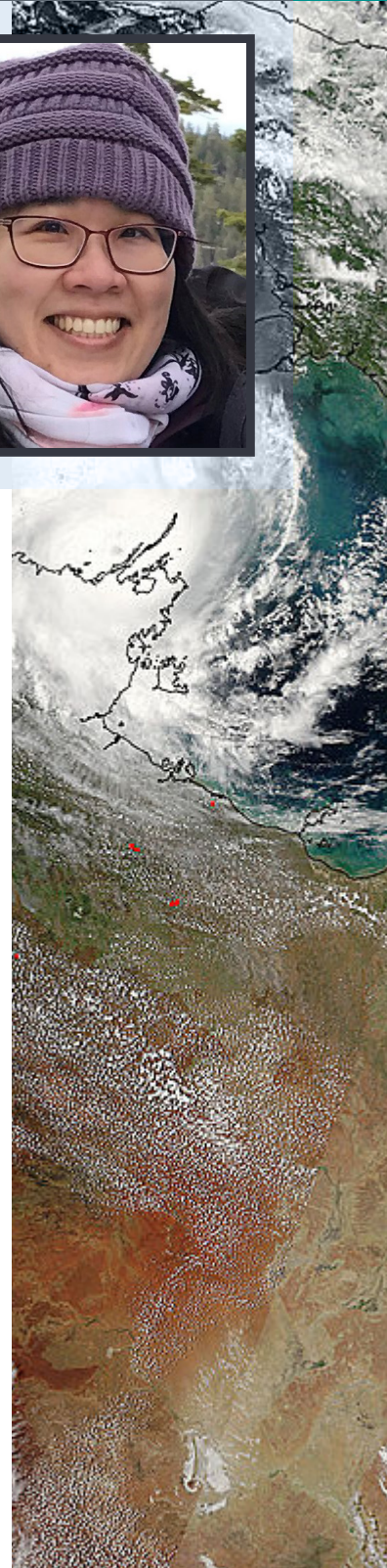**UCAR Project Scientist**

Tropical cyclones in the DIMOSIC project

DATE: Wed. June 22, 2022

TIME: 11:00 AM - 12:00 PM MDT (VIRTUAL)

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Dr. Jan-Huey Chen is a UCAR Project Scientist working at GFDL. Much of her research focuses on tropical cyclone prediction on weather to seasonal timescales.

This presentation will investigate the tropical cyclone (TC) forecasts in the models which are participating in the DIMOSIC (DIfferent MOdels - Same Initial Conditions) project. Seven models from different institutes have joined in the project, including the System for High-resolution prediction on Earth-to-Local Domains (SHiELD) from GFDL. All models run 10-day forecasts initialized at 00Z every 3 days with the same initial conditions provided by the ECMWF during June 2018- June 2019. Dr. Chen will compare the TC forecast skills based on the common TC forecast evaluation metrics, e. g. errors/biases of track and intensity, as well as on the TC related precipitation, and TC genesis evaluation.