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Mesoscale & Microscale
Meteorology Laboratory

Joint MMM/EOL SEMINAR

Please join us in welcoming **Juhyun Lee**, **Colorado State University**, for our upcoming Joint MMM/EOL Seminar Series.

MMM Seminar @ 2:00PM,

Refreshments @ 1:45PM

Please also join colleagues for refreshments and informal discussion after the seminar until 3:30PM.

Participants watching the live webcast may ask questions during the seminar via [Slido](#). This seminar will be hybrid, you may attend in-person or watch the [live webcast](#).



[Add to Calendar](#)

**Location: FL2-1022,
Large Seminar
Auditorium**



Deep Learning-based Characterization of Tropical Cyclone using Satellite, Numerical prediction model, and Aircraft observations

Juhyun Lee
Colorado State University

Recent advances in machine learning approaches for atmospheric science have raised important questions about their potential to improve our understanding and prediction of phenomena. This seminar focuses on deep learning-based characterization and prediction of tropical cyclones (TCs) using satellite, numerical model, and aircraft observations. First, deep-learning approaches for characterizing TC intensity from geostationary satellite observations are presented, followed by efforts to bridge the gap between observations from successive generations of geostationary satellites.

[Link to Full Abstract & Bio](#)