Ph.D. position available at the University of Hawai‘i at Mānoa

We invite applications for one Graduate Research Assistant position in the Department of Atmospheric Sciences at the University of Hawai‘i at Mānoa.

About the project

The Madden-Julian Oscillation (MJO) is one of the most important atmospheric phenomena. It is the dominant mode of intraseasonal variations in the Tropics, and it influences weather and climate on a global scale. The interaction of the MJO with convection that happens at a more local scale is an important challenge that could lead both to a deeper understanding of MJO, and to the improvement of its forecast.

We are looking for a candidate for a Ph.D. position to investigate how the MJO affects the characteristics and the organization of convective clouds in the Maritime Continent. We will approach this topic through a combination of idealized and realistic numerical simulations, with both Eulerian and Lagrangian models. The project is in collaboration with Dr. Naoko Sakaeda, at the University of Oklahoma, who will adopt an approach primarily based on observations. Opportunities exist to visit her research group during the project.

About the applicant

The candidate is expected to have a bachelor's degree in atmospheric sciences, mathematics, physics, or a related field, with a strong interest in atmospheric dynamics. A background in atmospheric science is an advantage. Excellent coding skills are an advantage. The candidate should be able to speak English fluently, and have excellent communication and interpersonal skills. The successful applicant must complete the UHM Office of Graduation application process and be accepted into the UHM Atmospheric Sciences Ph.D. program.

About us

University of Hawai‘i at Mānoa is an R1 Research University, considered a global leader in earth and environmental sciences. The Department of Atmospheric Sciences is part of the School of Ocean and Earth Science and Technology (SOEST). SOEST is one of the world's most active schools in the geosciences, with about 200 faculty members who study a wide variety of phenomena related to the physics, chemistry and biology of the solid earth, the ocean, and the atmosphere. SOEST also has over 180 graduate students and over 500 professional and technical staff members.

What to do

Prospective candidates interested in the position are invited to contact Dr. Giuseppe Torri directly (gtorri@hawaii.edu), sending an updated CV, unofficial copies of transcripts, publications (if applicable), and contact information for 3 references.