

(Draft) Program for

Conference on the damage caused by hurricanes in Mexico and Central America

Hosted by the Autonomous University of Guerrero, International Centre for Theoretical Physics, and Universidad Nacional Autónoma de México

Date: Friday, January 17, 2025

Venue: Acapulco Gro. Mexico

- 08:45-09:00 Welcome Prof. Javier Saldaña Almazán,
Rector, Autonomous University of Guerrero
Prof. Adrian Tompkins, International Centre for Theoretical Physics
Prof. Eduardo Ramos, Renewable Energies Institute UNAM
- 09:15 -10:15 General concepts of the atmosphere dynamics and the formation of hurricanes
Prof. Cuauhtémoc Turrent, CICESE, Mexico (Spanish)
- 10:30 -11:30 Modeling of atmospheric convection in Numerical Weather Prediction and climate
models. Prof. Adrian Tompkins, International Centre for Theoretical Physics, Trieste,
Italy. (Online, English)
- 11:30 - 12:30 Structure and dynamics of hurricanes. Prof. Jorge Zavala, Atmospheric Sciences and
Climate Change Institute UNAM, Mexico (Spanish)
- 12:45 - 13:45 Interpreting online information from the National Center for Hurricanes
Fabián Vázquez, Meteorological Service, Mexico (Online, Spanish)
- 13:45 - 15:00 Lunch
- 15:00 - 15:45 Impact of hurricanes in Mexico.
Prof. Christiane Dominguez Sarmiento, Atmospheric Sciences and Climatic Change
Institute, UNAM, Mexico (Online Spanish)
- 15:45 - 16:30 Impact of hurricanes Otis and John on Acapulco
Dr. Roberto Arroyo Matus, Director of *Protección Civil* Guerrero State (Spanish)
- 16:30 - 17:15 Modifications of intensity and frequency of hurricanes due to climatic change
Prof. Simona Bordoni, University of Trento (Online, English)
- 17:15 - 17:30 Closure