

Séminaire de Fei-Fei Jin au LOCEAN

Nom : Séminaire de Fei-Fei Jin au LOCEAN

Titre : On ENSO theory

Laboratoire :

Nom du conférencier :

Son affiliation :

Date et heure : 09-10-2019 16h00

Lieu : Campus de Jussieu, salle de réunion LOCEAN, tour 45/55, 4eme étage

Résumé :

Great progresses have been made in understanding, modeling, and predicting the basic features of the El Nino-southern Oscillation (ENSO) phenomenon characterized by interannual warming/cooling of the central to eastern equatorial Pacific and weakening/strengthening of tropical Pacific trade winds. The intensities, durations, patterns of sea surface temperature anomalies vary substantially from event to event. These differences often have significant global consequences. Climate models still exhibit large spread in simulating ENSO's time-space complexities. Better simulations and predictions of ENSO require deeper understandings of the dynamics not only for ENSO's basic features but also for its complexity. This talk will briefly review progresses in terms of ENSO theory on ENSO's amplitude, phase-locking, asymmetry, pattern diversity, and multi-scale nonlinear interactions.

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