

A "hot spot" in the climate system:

Extra-tropical air-sea interaction under the East Asian monsoon system

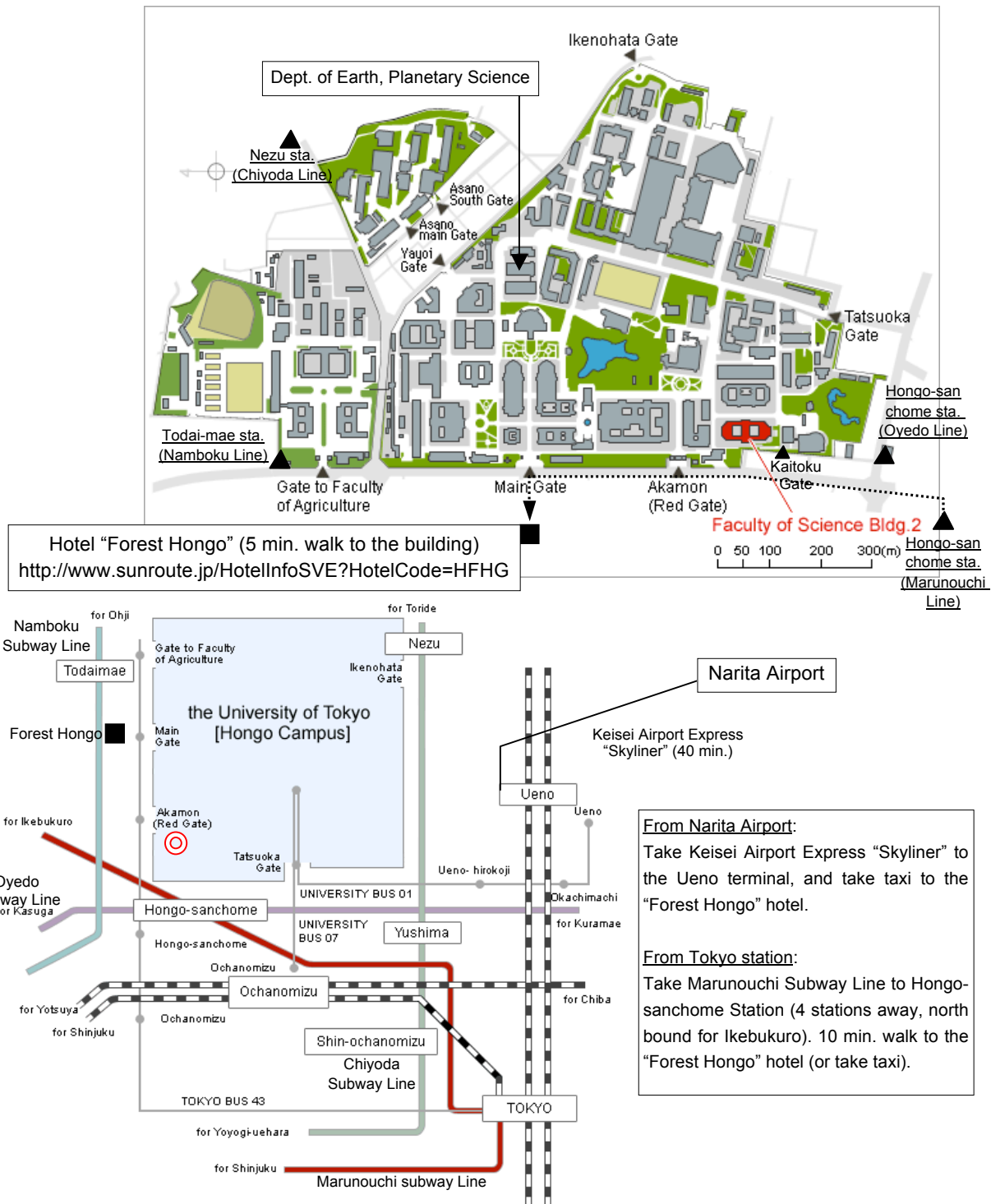
~ A symposium in the 2011 spring assembly of the Oceanographic Society of Japan ~

Date: **March 22 (Tue.), 2011**

Venue: **Biology Department Hall (4th floor),**

Faculty of Science Building #2,

Hongo Campus, University of Tokyo



Agenda

9:30~ 9:40 **H. Nakamura** (U. Tokyo/JAMSTEC): Welcome

[Chair: S. Minobe]

9:40~10:00 **H. Nakamura** (U. Tokyo/JAMSTEC): An overview of the "hot spot" project

10:00~10:20 **Y. Kawai** (JAMSTEC): Plan for observations on air-sea interaction in the KOE region

10:20~10:40 **M. Nonaka** (JAMSTEC): The Kuroshio Extension system and its influences on the atmosphere and ecosystem

[Chair: A. Isobe]

10:50~11:10 **F. Bryan** (NCAR): Frontal- to basin-scale ocean-atmosphere interaction in eddy-resolving and non-eddy-resolving coupled climate simulations

11:10~11:30 **S. Minobe** (Hokkaido U.): Observational and numerical studies on atmospheric responses over the Gulf Stream

11:30~11:50 **N. Schneider** (U. Hawaii): Impact of sea surface temperature fronts on the atmospheric Ekman layer and lower troposphere

[Chair: M. Nonaka]

13:00~13:20 **B. Qiu** (U. Hawaii): Decadal variability and prediction of the Kuroshio Extension system

13:20~13:40 **T. Ito** (CSU): Imprint of North Pacific climate variability on biogeochemical tracers

[Chair: H. Mitsudera]

13:40~14:00 **R. Lu** (IAP): Interannual variability of summer climate in the western North Pacific: A challenge for seasonal forecast in East Asia

14:00~14:20 **R. Kawamura** (Toyama U.): Two-way interaction between the East Asian monsoon circulation and the Kuroshio current and the Kuroshio extension

14:20~14:40 **A. Isobe** (Ehime U.): Possible impact of the East Asian marginal seas on the regional climate

[Chair: R. Kawamura]

14:50~15:10 **T. Hayasaka** (Tohoku U.): Cloud system and radiation budget in East Asia

15:10~15:30 **S. Koseki** (Nanyang Tech.): Modeling low-level clouds over the Okhotsk Sea in summer

15:30~15:50 **H. Mitsudera** (Hokkaido U.): Overturning circulation in the Sea of Okhotsk and its impacts on the North Pacific intermediate layer circulation

15:50~16:10 **T. Suga** (Tohoku U./JAMSTEC): New observations of mode water ventilation: A picture emerging from Argo data

[Chair: H. Nakamura]

16:20~16:40 **M. Alexander** (NOAA-ESRL): The influence of North Pacific atmosphere-ocean variability on ENSO

16:40~17:00 **B. Sohn** (SNU): Observational evidences of increased Walker Circulation over the recent three decades

17:00~17:20 **H. Tokinaga** (U. Hawaii): Marine surface wind changes over the western North Pacific during the last six decades

17:20~17:40 **S.-P. Xie** (U. Hawaii): Ocean-atmosphere interactions in a warming climate

17:40~18:00 [discussion]