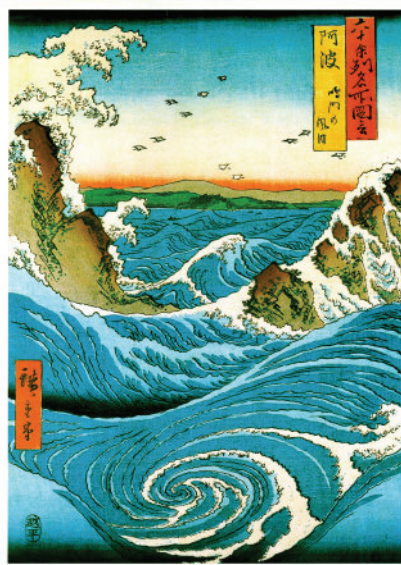


The Science of Climate Change in Hawai'i

Asia Room, East-West Center, 1:30-5:00 pm January 19 & 20, 2011



Wednesday, January 19, 1:30-5:00 pm

Brian Taylor *Introductory Remarks*

1. The Global Context

Kevin Hamilton *Uncertainties in Global Projections*

Artur Braun *Soot Effects on Climate*

Brian Popp *Ocean Acidification and Nitrogen Cycling in the World Ocean*

Discussion **[Discussion Leader: Shang-Ping Xie]**

2. The Indo-Pacific Ocean Regional Context

Fei-Fei Jin *Recent History and Future Projections of Indo-Pacific Climate*

Mark Merrifield *Observations and Attribution of Regional Sea-Level Changes*

Discussion **[Discussion Leaders: John Marra & Roger Lukas]**

3. Observed Trends in Local Climate Variables

Tom Giambelluca *Observed Trends in Temperature, Inversion Height, Rainfall in Hawai'i*

Pao-Shin Chu *Observed Trends in Rainfall and Wind in Hawai'i*

Hiroyuki Murakami *Hawaii Climate Change in the T969 MRI Global Simulation*

Discussion [**Discussion Leader: Tom Schroeder**]

Thursday, January 20, 1:30-5:00 pm

4. Hydrology

Gordon Tribble *USGS Hydrology Collaborations with UH and Other Local Partners*

Delwyn Oki *Observed Trends in Rainfall/Streamflow/Groundwater and Perspective on the Possible Effects of Climate Change on Freshwater Resources*

Oliver Elison Timm *Statistical Downscaling of Rainfall Projections for Hawai'i*

Axel Lauer *State of Regional Atmospheric Modeling for the Hawai'i Climate Prediction Problem*

Yileng Chen *Very High Spatial Resolution Modeling of Hawaii Weather and Climate*

Discussion [**Discussion Leaders: Gordon Tribble & Bin Wang**]

5. Ocean Trends

Roger Lukas *Observed Trends in Ocean Properties Near Hawai'i*

Brian Powell *State of Regional Ocean Modeling for the Hawai'i Climate Prediction Problem*

Brian Schubert *Analysis of Tree Rings for Determining Hawai'i Climate History*

Discussion [**Discussion Leader: Bo Qiu**]

6. Other Issues and General Discussion

Tim Li *Modeling Trends in Central Pacific Hurricane Climatology*

Melissa Finucane *Pacific RISA: The Climate Adaptation Partnership for the Pacific*

John Marra *NOAA Regional Climate Services*

Discussion **[Discussion Leader: Kevin Hamilton]**

