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Department of Atmospheric Sciences Seminar Announcement

Department of Atmospheric Sciences, S.O.E.S.T., University of Hawai'i at Mānoa
2525 Correa Road, HIG 350; Honolulu, HI 96822 ☎956-8775



Yangtze River Basin Flooding and Climate Change

Professor Wu Yijin

School of Urban and Environmental Sciences
Huazhong Normal University, Wuhan, China

Date: Wednesday, January 31, 2018
Refreshments: 3:00pm at MSB courtyard
Free Cookies, Coffee & Tea Provided
(Please Bring Your Own Cup)
Seminar Time: 3:30pm
Location: Marine Sciences Building, MSB 100

Abstract:

The Yangtze River is one of the largest rivers in the world. Yangtze River basin and its lowlands are the most important economic development region of China. However, this region suffers from frequent flooding throughout the history. The reasons for causing floods are many, including, snow-melt and fast run-off due to steep topography, soil erosion due to deforestation results in increased run-off, especially in the mountainous regions, monsoonal rainfalls, typhoon rainfalls for the near coast portion, sedimentation in riverbed with increasing demands of dyke heights, reduction of natural retention areas due to sedimentation / land reclamation, cutting of Maeanders, hydro technical constructions, and climatic change. As it turns out, the impact of climatic change on the Yangtze River runoff has to be taken into consideration. A trend has been shown that precipitation events are increasingly concentrated in summer months with an increasing number of heavy rain days.