APR08-2008-020097

Abstract for an Invited Paper for the APR08 Meeting of the American Physical Society

Climate Modeling and Projections of Global Warming

INEZ FUNG, Professor of Atmospheric Science, UC Berkeley and Co-Director, Berkeley Institute of the Environment

Physics of the climate system is captured, with varying degrees of success, in climate models used to hindcast paleoclimates and project future climate change. This talk reviews the formulation of climate models, validation/falsification of processes included, and presents research challenges for advancing projections of future climate change.