

Multidisciplinary Simulation, Estimation, and Assimilation Systems Seminar Series

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Determining Global Sea Level Rise

Abstract: The seemingly simple problem of determining mean sea level and its changes produces a series of technically challenging and interesting sub-problems. These range from the need to understand ocean sampling distributions through time, the determination of ice sheet volume changes, post-glacial rebound, and a whole series of modelling problems, including the ways in which freshwater enters the ocean, the failure of the Boussinesq approximation, among numerous other issues. The extent to which sea level rise (or fall) has human consequences will be touched on.

Monday, May 3, 2010

12:00PM; Rm. 5-314

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