

COLLOQUIUM
UNIVERSITY OF PITTSBURGH
FRIDAY, OCTOBER 18, 2013
704 THACKERAY HALL
3:30 P.M.

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UNIVERSITY OF TEXAS AT AUSTIN

LONG AND SHORT WAVES IN SHALLOW WATER

ABSTRACT: In this talk, we will discuss both long and short wave models arising in shallow water applications. We will discuss the coupling between models, and focus specifically on two short wave models, one which is appropriate for deeper water, and models which are primarily used in the near-shore. Numerical approximation to these models using discontinuous Galerkin methods will be described, and applications to hurricane storm surge will be presented.

Refreshments served at 3:00 p.m.
in the Math Dept. COMMON ROOM, Thackeray 705