

UNIVERSITY OF RHODE ISLAND

Department of Mathematics

Applied Mathematics and Scientific Computing Seminar

Location: Lippitt Hall 204

Time: Monday, April 17, 2017, 1:00pm

(refreshments at 12:50 p.m.)

How does numerical simulation help us to understand earthquake and tsunami hazards?

by Dr. Matt Wei

Graduate School of Oceanography, URI

Abstract: Earthquake and tsunami are major hazards threatening coastal countries. Major earthquakes are overdue in the Pacific Northwest and Southern California. How to prepare for these natural disasters is a grand challenge for the United States and many other countries. In this talk, I will introduce current effort at the Graduate School of Oceanography to address the grand challenge, using physics-based numerical models of earthquakes that run on high performance computers.