

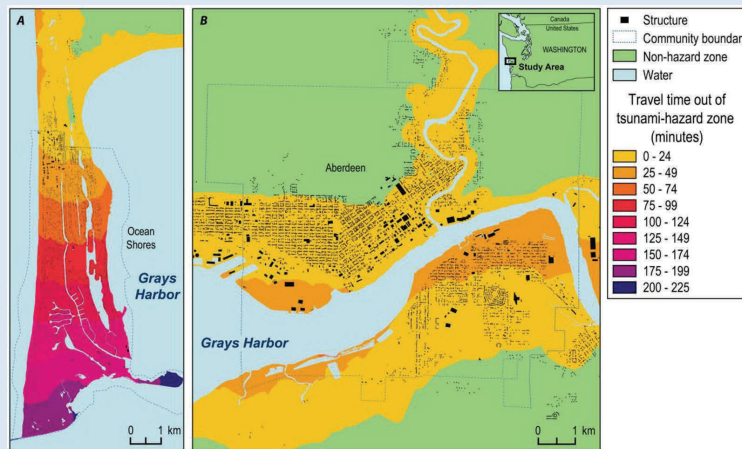
The PSU Geospatial Information Society / ASPRS Student Chapter

Colloquium

Nathan Wood

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Tsunami vertical-evacuation planning as a geospatial, multi-criteria decision problem



Tsunami vertical-evacuation (TVE) refuges can be effective risk-reduction options for coastal communities with local tsunami threats but no accessible high ground. The coastal community of Ocean Shores, WA, and the local tsunami threat posed by Cascadia subduction zone earthquakes are used as a case study of geospatial, multi-criteria decision analysis for locating TVE refuges. The work involves a mixed-methods approach of community workshops to identify potential TVE sites, geospatial analysis to model changes in pedestrian evacuation times for TVE options, and statistical analysis to develop metrics for comparing population tradeoffs.

3:00 – 4:00 PM
Friday, 21 February, 2014
Cramer Hall, Room 413

Free refreshments! All are welcome.

The Geospatial Information Society is a student chapter of the ASPRS. We host monthly colloquia, social events, and other activities to promote professional development and education related to geospatial technology. We receive support from Portland State University, and the ASPRS Columbia River Region. For more information, or to join, visit: <http://community.pdx.edu/asprs/>

