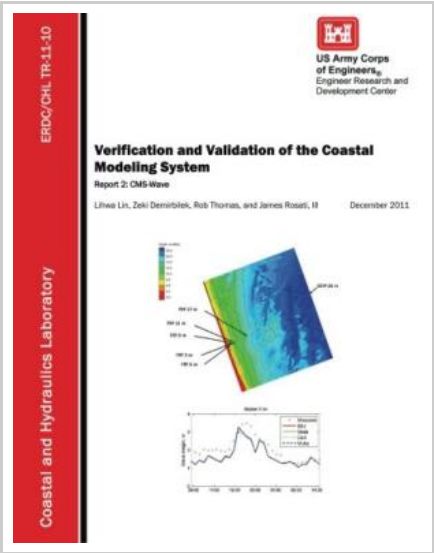

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Verification and Validation of the Coastal Modeling System: Report 2: CMS-Wave

By Rob Thomas

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 112 pages. Dimensions: 11.0in. x 8.5in. x 0.3in.There are four reports documenting the Verification and Validation (V and V) of the Coastal Modeling System (CMS): an executive summary, waves, circulation, and sediment transportmorphodynamics, respectively. This is the second technical report (Report 2) that describes the wave modeling component of the V and V study. The goal of the report was to critically assess both general and special predictive skills of CMSWave, a spectral wave model in the CMS developed to address a variety of needs for coastal inlet applications. For model verification, a number of simple and idealized cases were selected to approve the basic physics and computational algorithms implemented in CMS-Wave. For model validation, a collection of more complicated cases with either laboratory or field data representing real world problems were assembled to confirm the overall performance or special capabilities of CMS-Wave. Provided in this report are descriptions of the V and V cases, model set up and boundary conditions specified in each case, and assessment of model performance. Major findings for each case are provided as guidance to users for future applications of CMS-Wave. This item...

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