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Coastal Hazards

By -

Springer. Hardcover. Book Condition: New. Hardcover. 840 pages. Dimensions: 9.3in. x 6.5in. x 1.6in. This book covers the gamut of coastal hazards that result from short-term low-frequency events and have high-magnitude and far-reaching impacts on coastal zones the world over. Much of the world's population now lives in low-lying coastal zones that are inherently vulnerable to natural hazards such as flooding from hurricanes, tropical storms and northeastern storm surges; shoreline (beach and dune) erosion; cliff and bluff failures; and saltwater intrusion in coastal aquifers used for drinking water supplies. In addition to the usual range of hydrometeorological disasters in coastal zones, this book covers tsunami impacts and warning systems as well as global perspectives of sea-level rise impacts and human perceptions of potential vulnerabilities resulting from rip currents that cause many drownings each year on beaches. Today, the use of numerical models that help predict vulnerabilities and provide a basis for shore protection measures is important in modern scientific and engineering systems. Final considerations focus on human actions in the form of the urbanization and industrialization of the coast, shore protection measures, and indicate how environmental degradation around coastal conurbations exacerbates the potential for unwanted impacts. Strategies for environmental management in...



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Reviews

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Extremely helpful for all class of individuals. Better than never, though I am quite late in starting reading this one. I realized this publication from my father and dad suggested this ebook to discover.

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