



Large-scale Coastal Behavior

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Message from the Guest Editor

The evolution of coastal landforms on long time and length scales has come to be known as Large Scale Coastal Behavior (LSCB). The consequences of LSCB are important to the resiliency of coastal communities and ecosystems, particularly in light of predicted changes to sea level and storm intensity and frequency forecasted for the next century. The focus of this Special Issue is on improved understanding of LSCB, with an emphasis on implications for coastal vulnerability and adaptation. Topics of interest include, but are not limited to:

- Large scale nearshore sand bar and shoal evolution
- Shoreline change and hot-spots
- Coastal landform response to extreme storms
- Impacts from sea level rise and climatic influences
- Nonlinear sediment transport dynamics manifesting at large time and length scales
- Connections between small and large-scale processes
- Partitioning aeolian and oceanic processes
- Influences of continental shelf processes on LSCB
- Influences of LSCB on coastal vulnerability, resiliency, and adaptation
- Influences of sediment supply on LSCB
- Anthropogenic influences and engineering concepts for mitigating negative LSCB changes





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Message from the Editor-in-Chief

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