



## **NSF Award Abstract - #0504719**

### **MARGINS Source to Sink: Collaborative Research on Shoreline Progradation and Sediment Exchange Between the Coastal Plain and Inner Shelf, Waipaoa Sedimentary System**

**NSF Org** OCE

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**Program Manager** Bilal U. Haq

OCE Division of Ocean Sciences

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**NSF Program(s)** MARINE GEOLOGY AND GEOPHYSICS

**Field Application(s)** 0204000 Oceanography

**Program Reference Code(s)** OTHR,1620,0000

**Program Element Code(s)** 1620

#### **Abstract**

The PIs will undertake a comprehensive investigation of Waipaoa River shoreface dynamics in response to multiple well-constrained forcings from Holocene to Recent times. Their approach involves coring, sub-bottom profiling, observational measurements, and sedimentary and stratigraphic modeling. By employing these approaches they hope to constrain the limitations of any particular technique and investigate the link between processes and the sedimentary record, the nature of moving boundaries (land/sea interface), and the role of different scales and how they can be

incorporated into predictive models as well as being applied to interpreting past records.

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