



The Arctic Institute of North America presents the 2017 – 2018

Arctic Speaker Series

"We're losing our land!!" - The Impacts of Amplified Warming and Reduced Sea-Ice on Shoreline Evolution: A Case study from Paulatuk, Canada.

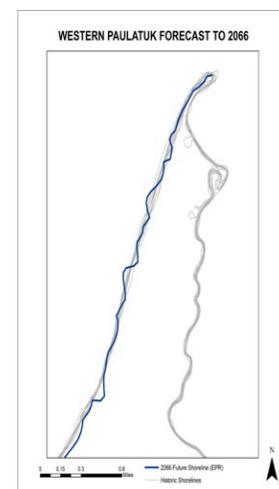
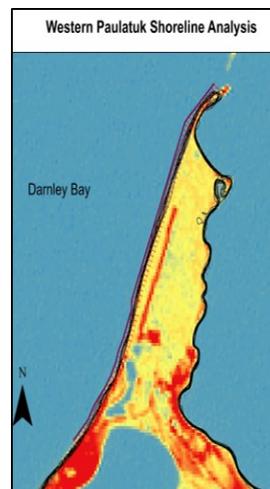
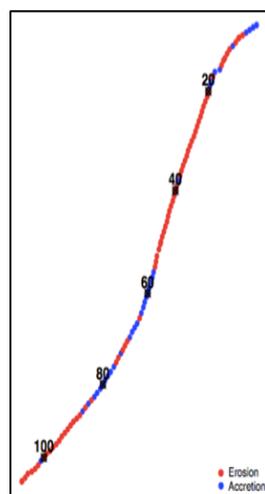
Who: Ravi D. Sankar

Date: Wednesday, Sept. 20, 2017

Time: 4:00 – 5:00 pm

Location: University of Calgary; Science B 142

Dynamic changes in shoreline position in response to natural coastal processes and the effects of climate change increase the susceptibility of Arctic communities that reside along the coastal zone. The application of innovative geospatial approaches is critical to providing updated measurements of geomorphic change, necessary for sustainable coastal management strategies. This is important, because improved understanding of the drivers of climate variability should advance forecasts of future change. This research is an integration of geographic data demarcating shoreline position and its analysis to detect change using an innovative modelling technique that is sensitive to coastal configuration.



Biography: Dr. Ravi Darwin Sankar is an "Eyes-High" postdoctoral fellow at the University of Calgary's, Arctic Institute of North America. Ravi is a former Fulbright scholar and received his Ph.D. in Geological Sciences at Florida State University, USA. His doctoral research focused on quantifying the near-term effects of climate variability on the morphology of barrier-island environments. His current research at the University of Calgary is aimed at developing accurate model predictions of geomorphic change by combining historical and recent data, in order to plan future coastal management strategies that reduce the vulnerability of human/marine systems in Canada's Arctic. As a native of the island of Trinidad and Tobago (Caribbean), Ravi is passionate about using his scientific background to inform future policies that work to mitigate the effects of climate variability in both the Arctic region, as well as Small Island Developing States.

This event is **free and open to the public**

There will be a reception in the AINA offices (ES-1040) immediately following the presentation

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