



“Fishing for Innovation in the Natural Sciences”

Biography: Dr. Danika vanProosdij, Saint Mary’s University

Danika van Proosdij, PhD (Guelph) is a Full Professor in the Department of Geography at Saint Mary’s University. She is a coastal geomorphologist with over 20 years of experience in sandy and muddy neashore systems and one of the few with extensive field experience in the Bay of Fundy. Her research is primarily field based with a strong geomatics and environmental focus funded primarily through NSERC industrial, OERA (tidal power), NRCAN (climate change vulnerability) and various industry partners. She founded two active CFI funded facilities: Maritime Spatial Analysis Research Center (2002) and the Intertidal Coastal Sediment Transport Research Unit (2008). Over the last five years she has been the principle investigator or co-PI on close to a dozen major research grants or contracts valued just over \$1M both in Canada and Internationally. Her particular area of expertise relates to the ecomorphodynamics of muddy intertidal ecosystems and how these systems respond to anthropogenic activities (e.g. tidal power, dyking) and climate change. Recently this work has been expanded to include sandy systems and the adaptive capacity of small coastal communities. In 2009 she was awarded the Gulf of Maine Visionary Award from the Gulf of Maine Council for the Marine Environment.