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AMU Invited Lectures Series in Aeolian Geomorphology in Coastal Areas

Prof. Robin Davidson-Arnott
Univeristy of Guelph, Canada

Beach-dune interaction and controls on the evolution of a sandy beach system

Post-tropical Storm Fiona (Fiona), which struck Prince Edward Island on September 23-24, 2022, was the most intense storm to strike the island in the past 99 years. The impact of Fiona on sandy beach and dune systems at Greenwich Dunes, on the north coast, ranged from scarping of the stoss slope, to scarping and retreat of the dune crest, to overwash. The spatial pattern and severity of these impacts is in good accord with results of measurements of beach dune interaction processes, and profile monitoring over the past 20 years. Recovery of the beach and dune systems from Fiona on a decadal scale can be predicted from the response of the system to a more severe storm in 1923.



19 October 2023 4:30 PM CEST
THURSDAY

Link to the lecture - <https://bit.ly/3FbLAqI>