



CMOS-SCMO

Canadian Meteorological and Oceanographic Society
Société canadienne de météorologie et d'océanographie

Toronto CMOS Centre Student Seminar

Ocean Tides : Past, Present and Future

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The analysis of the tides is a subject that has been investigated for thousands of years. From the way-finders of early Polynesian societies to 18th century mathematicians and physicists, inquisitive minds have sought to understand the motion of the waves and their causes. This talk will cover a range of topics, from the early theoretical attempts of Newton and Laplace to the more advanced approaches used by Darwin and Doodson. The role of dissipation in the moon's orbit and what this tells us about the state of the paleo-ocean will be examined with a few results from recent research. An overview of the modern attempts to map the ocean will be surveyed and the future of tidal analysis will be discussed.



Date/Time: 3:00 pm on Nov 13, 2018

Location: McLennan Physical Laboratories, Grads Physics Lounge, Room 110,
University of Toronto, 60 St. George Street, Toronto

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Coffee and doughnuts will be provided after the presentation