

# CNASC Seminar

## Speaker

**Dr. James Jackaman,  
Memorial University**

**Tuesday, April 9, 2019  
1pm, AA-2071**

**Wave dispersion properties of mixed finite element schemes for the shallow water equations**

**Abstract:**

We investigate the behaviour of waves for the next generation dynamical core of the Met Office Unified Model. More specifically we examine the linear shallow water equations and how the supported waves perform in a mixed finite element scheme. We encounter a problem with the scheme and discuss how to overcome it.