

**The Department of Mathematics, Statistics and Computer Science
St. Francis Xavier University**

presents

The Integer Transfinite Diameter and its applications

by

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Monday, October 19th @ 2:15pm, Annex 23A

In this talk we discuss some basic problems in Computational Number Theory. Our focus will be on polynomials with integer coefficients. Several recent research methods and results will be introduced, such as how the integer transfinite diameter can be used to compute some interesting families of polynomials with integer coefficients, with the explicit auxiliary functions. Some applications will also be discussed.