



Western University
DEPARTMENT OF PHYSICS AND ASTRONOMY

PHYSICS & ASTRONOMY COLLOQUIUM

Date: **Thursday, 13th October 2016**
Time: **9:30 a.m.**
Location: **Physics & Astronomy Seminar Room 100**

Dr. Anthony Moffat

Department of Physics
Université de Montréal

"BRITE-Constellation now in full bloom"

ABSTRACT

Some 12 years since the original conception, we are now drinking from the proverbial fire-hose! As originally envisaged "the primary goal of BRITE-Constellation is to constrain the basic properties of intrinsically luminous stars – i.e. stars that most affect the ecology of the Universe – by measuring their oscillations on hour to month timescales, based on dual-broadband, ultra-high precision photometric time-series from space." This entails a variety of projects, ranging from main-sequence OBAF stars to all kinds of supergiants, along with red giants and various binaries. BRITE has now observed over 200 targets, with many more to come, and a flurry of publications is on the way. I will highlight some of the science so far.

Coffee will be available in the Atrium, 2nd floor, at 1:15 p.m.

We look forward to seeing you at the Colloquium! As a courtesy to the speaker and audience, please set your cellphones to "silent" mode. Thanks!