



University
of Victoria

Lansdowne Lecture

The University of Victoria's Public Lecture Series features the words and work of distinguished men and women, across a vast array of academic and research endeavours. As host of this lecture series, UVic continues its mission of enriching the human mind and heart.



Dr. Patricia Burchat

Department of Physics, Stanford University

A 21st Century View of the Universe: Dark Matter and Dark Energy

Tuesday, 1 November, 7:30 p.m.
Bob Wright Centre, Room B150

Presented by the Department of Physics and Astronomy

A scientific revolution in our understanding of the universe is under way. In recent decades, cosmology has become an observational science and produced two mysterious findings: about 1/4 of the energy density of the universe is in the form of "dark matter," which gravitationally attracts but is otherwise invisible, and over 2/3 is "dark energy," which causes space itself to expand at an ever-increasing rate. In this lecture, Dr. Burchat will explore the evidence for dark matter and dark energy, and the experiments being developed to investigate their fundamental nature.

Travel Green: UVic is accessible by many modes of sustainable transportation including Regional Transit, cycling, walking and taxi. Should you choose to drive, pay parking is in effect for a \$2 evening rate.

Free and open to the public | Seating is limited | Visit our online events calendar at www.uvic.ca/events

Persons with a disability requiring accommodation for this lecture should call 250-721-7698 at least 48 hours in advance.
For more information on this lecture phone 250-721-7698.