



University  
of Victoria

# PHYSICS AND ASTRONOMY COLLOQUIUM (Online)

**Dr. Sylvain Veilleux**  
University of Maryland

**“Cool Outflows in Galaxies and their Implications”**

## Abstract

“Neutral-atomic and molecular outflows are a common occurrence in galaxies, near and far. They operate over the full extent of their galaxy hosts, from the innermost regions of galactic nuclei to the outermost reaches of galaxy halos. They carry a substantial amount of material that would otherwise have been used to form new stars. These cool outflows may have a profound impact on the evolution of their host galaxies and environments. This colloquium will provide an overview of the basic physics of cool outflows, a description of the best-studied cases, and a more general discussion of the statistical properties of these outflows in the local and distant universe. Some of the remaining outstanding issues will be critically examined. A short description of future prospects will conclude the discussion.”

Wednesday, September 28, 2022

3:30 p.m. PDT

via Zoom: Zoom link available on Uvic Event Calendar