

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Prof. Locke Spencer, Department of Physics and Astronomy,
University of Lethbridge. PUPSS

TOPIC: *Mind the Gap: The Far-Infrared Gap and Canadian
Milestones on the Far-Infrared Astrophysical Roadmap.*

DATE: Tuesday January 16th, 2024

TIME: 3:30-4:30 p.m.

PLACE: *Physics 103*

Abstract:

Over half of the energy emitted by the Universe appears in the relatively unexplored Far-Infrared (Far-IR) spectral region, which is virtually opaque from the ground and must be observed by space-borne instrumentation. The dominant limiting factor of many current open questions in astrophysics is the limited angular resolution and sensitivity within the “Far-IR gap.” This lecture introduces the Far-IR Universe and provides a built-in-Canada perspective on associated instrumentation, technology, and observatory milestones related to this exciting region of the electromagnetic spectrum towards closing the Far-IR gap.