



University
of Victoria

PHYSICS AND ASTRONOMY SEMINAR (In Person)

Dr. Karen Lee-Waddell

Director, Australian SKA Regional Centre and
WALLABY project scientist

**“A new generation of radio surveys—WALLABY, ASKAP,
and the AusSRC”**

Abstract

“I will present recent science results from the Widefield ASKAP L-band Legacy All-sky Blind survey (WALLABY). WALLABY is one of the major surveys using ASKAP and has recently started full science observations. Over the next 5 years, this survey aims to detect and map the neutral hydrogen gas in hundreds of thousands of galaxies. There are 8 other key surveys running on ASKAP, each in various stages of full survey readiness. I will give a brief overview and update on the status of those surveys and the progress of ASKAP in general.

The SKA is poised to usher in the next era of astronomical discovery and advanced data processing. The Australian SKA Regional Centre (AusSRC) will be Australia’s part of an international computing and data delivery network (currently referred to as the SRCNet) that will enable ground-breaking science by providing the connection between the telescopes and the science community. I will also provide an overview of the progress being achieved by the AusSRC and how we are currently facilitating the scientific output of researchers using SKA precursors such as ASKAP and the MWA.

Friday, April 28, 2023

2:00 p.m. PDT

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