

SEMINAR NOTICE

*Department of Physics and Engineering Physics
University of Saskatchewan*

SPEAKER: Dr. Mark Boland
Department of Physics & Engineering Physics
CLS Machine Director

TOPIC: *Discovery Machines: success, challenges and plans for future particle accelerators*

DATE: September 14, 2021

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

PLACE:

ABSTRACT:

Join Zoom Meeting:
<https://usask-ca.zoom.us/j/96818469630?pwd=aGpiVUtjcEJmZzBqclZ2S042eGpiOT09>

Join by Telephone:
Local Saskatoon Dial-in Number: (639) 638-7474
Other Zoom Dial-in Numbers: <https://usask-ca.zoom.us/j/96818469630>

Join by Video Conferencing Device (SIP):
[96818469630@zoomcrc.com](https://usask-ca.zoom.us/j/96818469630)

Meeting ID: 968 1846 9630
Passcode: 07412447
Telephone Passcode: 07412447

Particle accelerators play a critical role in scientific discovery in many fields, from the discovery of the Higgs Boson to covid-19 vaccine development. There are over 40,000 particle accelerators in use around the world, from medical therapy and imaging machines, to the University of Saskatchewan's own synchrotron light source at the CLS. This seminar will cover the basic physics behind creating a particle beam and the challenges that need to be met to realise future machines to advance science.