



THE ASTRONOMY RESEARCH CENTRE ARCNet SEMINAR

**Dr. Karun Thanjavur, UVic, and
Dr. Seb Fabbro, NRC**

**“So you want to use machine learning in your
research, but don’t know where to start?”**

Abstract

Artificial intelligence (AI), specially

Deep (Machine) Learning applications are routinely produced by software that help analyze and draw inferences from data. In high performance computing, neural networks are trained on datasets to then perform a variety of complex astronomical analyses, such as identifying patterns in the data, classification, and parameter estimation, real-time decision making, recommendations based on experience, and so on. In his presentation, Dr. Karun Thanjavur will provide an overview of his rapidly burgeoning specialization in astrophysics, and illustrate the different classes of AI tools, especially neural networks, and how they are used in a working

Thursday October 17, 2019
2:30 p.m.
Clearing Building Room D131