



Canadian Association  
of Physicists

Association canadienne  
des physiciens et physiciennes

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Type: **Invited Speaker / Conférencier(ère) invité(e)**

## **(I) Data Science and Modern Astronomy, a match made in the heavens**

*Monday, 6 June 2022 13:15 (30 minutes)*

This talk will discuss my research in data science and astrophysics. We will investigate our Milky Way Galaxy and have a short discussion of how data science can be used to detect faint and sparse objects such as the dwarf satellites and streams that helped form the galaxy we live in. When trying to make detections of these mysterious stars, the advent of greater cloud computing capability means the sky really is no longer the limit (for programming or Astronomy)! We will also cover data science applications for smaller telescopes like the 1m at York University and how small telescopes can support some of these 'big data' science endeavours.

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**Session Classification:** M2-9 DPE II (DPE) | DEP II (DEP)

**Track Classification:** Technical Sessions / Sessions techniques: Physics Education / Enseignement de la physique (DPE-DEP)