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Indigeneity and the Astronomy/Physics Classroom

Monday 19 June 2023 16:00 (30 minutes)

The ways Physics and Astronomy are traditionally taught in Canadian Universities typically ignores millennia of knowledges of Indigenous Peoples. This is by design as textbooks and curriculum tend to build upon a European view of the growth of science, physics, and astronomy that centers one perspective. However, we can build a more diverse and improved curriculum by considering Indigenous methodologies, knowledges and stories in our research and teaching. In this talk I will reflect on experiences teaching an Indigenous centric astronomy course that considered Indigenous methods and the intersection of professional astronomy and colonization today. I will also offer insights into how physicists and astronomers can move to support inclusion and celebration of Indigenous knowledges in the classroom.

Keyword-1

Indigenous Science

Keyword-2

Education

Keyword-3

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Track Classification: Technical Sessions / Sessions techniques: Gender Equity in Physics / Équité de genre en physique (DGEP-DEGP)