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Embracing the interconnectivity of people beneath the night sky: Where physics and culture meet

Friday, 5 October 2018 10:00 (1 hour)

In Canada, like many other countries around the world, there has been an increased call for incorporating Indigenous knowledges within physics, and physics teacher, education. Coupled with this are dedicated efforts to foster learning environments where students grow to become problem solvers not only for physics-based problems, but for societal problems as well. Physics education, at all levels, and within formal and informal settings, is being reconstructed to increase the relevance and resonance of physics content matter for students on personal, community, and global levels. It is from this launch point that physics is now being taught and learned through lenses of multiple perspectives, modalities, cultures, and social justice and awareness. As such, a focused effort to introduce andragogical and philosophical approaches beyond the traditional methods of physics education is underway.

Through the contextual sharing of global and Indigenous star-lore and sky-lore legends and lessons, this talk will weave stories of ethnoastronomy of the aurora and constellations as an exemplar of assist learning about the globally shared night sky. It is through this vision that the hope of sharing and learning these stories in physics with our current and future students can create a better world.

Apply to be considered for a student award (Yes / No)?

No

Level for award (Hons, MSc, PhD, N/A)?

N/A

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