



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 43

Type: **Oral (Non-Student) / Orale (non-étudiant(e))**

Open Universe: The Adventure of Teaching and Learning Physics Online

Wednesday, 9 June 2021 13:15 (15 minutes)

Physics is the most fundamental of sciences, so learning it can be a challenge, especially online. However, a fully-online asynchronous delivery mode can offer some advantages, especially for quickly-developing fields such as subatomic physics and astrophysics, whose active research communities often offer extensive educational resources online. Asynchronous online delivery also allows for more diversity and accessibility engaging a wider group of students, and for more time on hands-on activities such as research projects and virtual labs. The talk will outline the structure of three online courses, Astronomy, Astrophysics and Subatomic Physics, at Memorial University, and share tips and strategies on course design and delivery accumulated over a decade of online teaching.

Primary author: Prof. BARKANOVA, Svetlana (Grenfell Campus of Memorial University)

Presenter: Prof. BARKANOVA, Svetlana (Grenfell Campus of Memorial University)

Session Classification: W2-2 Quantum II (DPE) / Quantique II (DEP)

Track Classification: Physics Education / Enseignement de la physique (DPE-DEP)