



Department of Physics and Astronomy  
SPRING 2026 Colloquium Series

# “AstroSims: the Landscape of Simulations for Astronomy Education”

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Computer simulations support student exploration of phenomena that are outside of their day-to-day experiences and beyond their current formal mathematical skillsets. The ability to “play with the universe” can help students develop conceptual understanding that underpins further learning. With ubiquitous computers, tablets, and cellphones, browser-based simulations can be used in almost any educational environment. In this talk, I present an overview of extant web-browser accessible Astro-education simulations. I will present a range of use cases, with examples, and a brief outline of the resources needed to develop new educational simulations.

**Thursday, April 9, 2026**  
**4:00 - 5:20PM**

MND1015

*Open & Free to all students, faculty and public*