

## CSAAPT Spring 2023 Semi-Virtual Meeting



Chesapeake Section of the  
American Association of Physics Teachers  
Spring 2023 Semi-Virtual Meeting  
April 1, 2023 @ **JAMES MADISON UNIVERSITY.**

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# Einstein's Gravity Playlist

*Saturday, April 1, 2023 6:00 PM (1 hour)*

This original planetarium show explores the ripples in space-time known as gravitational waves. Albert Einstein first predicted the existence of gravitational waves in 1916, and a century later, scientists detected these waves using incredibly precise laser technology here on Earth. In honor of this long-anticipated detection, the scientists who created the Laser Interferometer Gravitational-Wave Observatory (LIGO) won the 2017 Nobel Prize in Physics. In this show, viewers follow Lucia, a PhD student in physics, as she explores how gravitational waves are formed, how they move through the universe, and how scientists like her work to hear them.

**Presenters:** YAGI, Kent (University of Virginia); LOMUSCIO, Samantha (University of Virginia); AJITH, Siddarth (University of Virginia)