

Just a reminder,

Our first Burrell Memorial Observatory open house of the New Year is scheduled for Friday January 17, 2020 at 7:30PM. We are honored to have Dr. Madeline Wade from Kenyon College presenting a lecture on gravitational waves and her work with **L**aser **I**nterferometer **G**ravitational wave **O**bservatory (LIGO). Dr. Wade is part of the team that announced on February 11, 2016 the first direct observation of gravitational waves. This is one of the most significant discoveries of the century. So important that in 2017, the Nobel Prize in Physics was awarded to Rainer Weiss, Kip Thorne and Barry Barish for their role in the direct detection of gravitational waves.

There are still a few tickets left. If it is “sold” out, I would be happy to put you on a waiting list. We always have a number of no-shows. **This is a free lecture, however to help defray the increasing costs, we are hoping you will consider donating when you order your free tickets.**

Tickets can be obtained on line at [www.bw.edu/tickets](http://www.bw.edu/tickets), in person at the Kleist Center box office Monday-Friday, 12:00-5:00, or by phone at (440) 826-2240.

The lecture will be presented in the Main Stage Theater located in the Kleist Center for Art and Drama.

The Kleist Center is located at 95 E Bagley Rd on the North side of Bagley Rd. at the corner of Beech Street. The entrance is on Beech Street. Parking is available along Beech Street and behind the Kleist Center.

After the lecture, the Burrell Observatory will be open for viewing, weather permitting.

Hope You can make it

Gary Kader  
Director Burrell Memorial Observatory  
Baldwin Wallace University  
[gkader@bw.edu](mailto:gkader@bw.edu)

# BURRELL OBSERVATORY OPEN HOUSE

FRIDAY JANUARY 17, 2020 at 7:30 PM

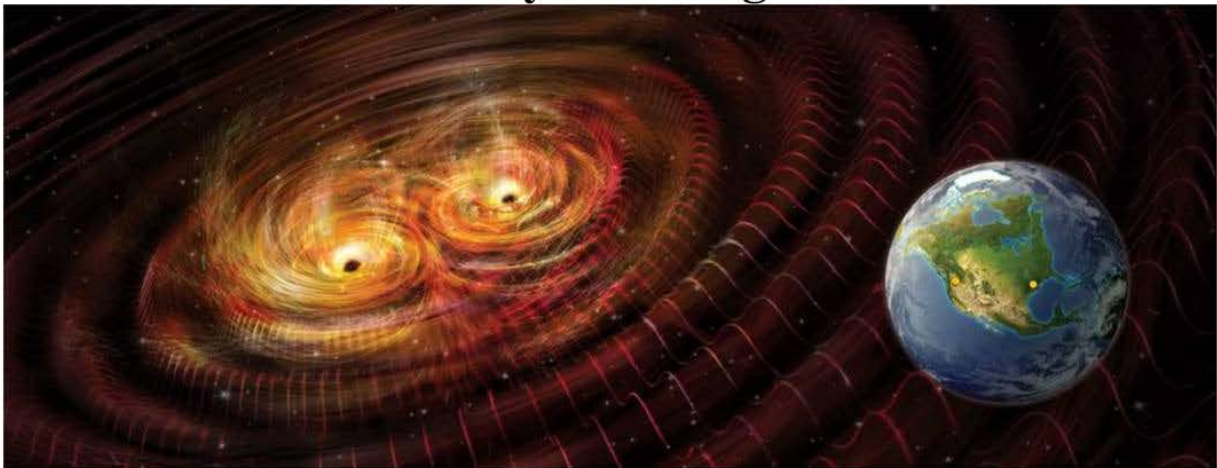


## Listening to the Universe with Lasers: The Discovery of Gravitational Waves

By

**Dr. Madeline Wade**

**Harvey F. Lodish Faculty Dev Professorship and  
LIGO Team Collaborator  
Kenyon College**



The Burrell Observatory is proud to host an open house program on Friday January 17, 2020 at 7:30 PM. Dr. Madeline Wade from Kenyon College will present a lecture on gravitational waves and her work with Laser Interferometer Gravitational wave Observatory (LIGO). Gravitational waves are disturbances in the curvature of space-time, generated by accelerated masses that propagate as waves at the speed of light. They were predicted in 1916 by Albert Einstein on the basis of his general theory of relativity. LIGO is the most sensitive 'sensor' ever built and on 11 February 2016, the LIGO and Virgo Scientific Collaboration announced they made the first direct observation of gravitational waves. This is the most significant discovery of the century. So important that in 2017, the Nobel Prize in Physics was awarded to Rainer Weiss, Kip Thorne and Barry Barish for their role in the direct detection of gravitational waves.

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