



Chesapeake Section of the American Association of Physics Teachers Spring 2021 Virtual Meeting

<https://radford.zoom.us/j/91357015550> (Password: 003642)

— Announcements —

- **About your Zoom screen name :**

There are over 100 people registered for this meeting, so in order for all of us to be able to tell who's who, we request that you change your Zoom screen name to:

Your Full Name (Your Affiliation)

where by "Affiliation" we mean the school or school district at which you work or study. **This is particularly important if you need a Certificate of Attendance from the CSAAPT so that we can identify you.**

To do this, click on **Participants** which will give you the list of participants with your current screen name at the top.

- **iOS/Android** : Tap on your current screen name, and a **Rename** button will appear
- **Windows/macOS** : Hover your cursor over your current screen name, click on **More**, and a **Rename** button will appear

Tap/Click on **Rename** and change our screen name.

- **Kahoot :**

The talk by **Prof. David Wright**, *Physics Phun with Kahoot* from **11:30AM** will be interactive. He will show you how to have "phun" with the **free** app **Kahoot** (<https://kahoot.com/>). Please install the app on your smart phone prior to the Meeting. It is called **Kahoot! Play & Create Quizzes** in the app store.

If you do not want to install the app on your smart phone, or if you do not have a smart phone, you can also access the app on your browser at <https://kahoot.it/>.

— Program —

Morning Session (8:30AM – 12:00 noon)

8:30AM – 8:40AM : Welcome from the CSAAPT President Jason Sterlace

8:40AM – 9:40AM : Presentation Session 1

- 1) 8:40AM – 9:00AM : Prof. Deonna Woolard (Randolph-Macon College, VA)
Being an Experimentalist During COVID-19
 - 2) 9:00AM – 9:20AM : Prof. Mukesh Chhajer (Danville Community College, VA)
Using iOLab for Physics Lab
 - 3) 9:20AM – 9:40AM : Dr. Edwin Lo (Loyola University Maryland, MD)
Physics.land Pedagogy and Demo
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9:40AM – 9:50AM : Virtual Coffee Break – Please prepare your own coffee

9:50AM – 10:50AM : Presentation Session 2

- 4) 9:50AM – 10:10AM : Prof. James Freericks (Georgetown University, DC)
Bringing the physics back into the junior-senior undergraduate quantum mechanics course
 - 5) 10:10AM – 10:30AM : Prof. Muge Karagoz (University of Maryland College Park, MD)
Examples of Collaborative Tools Used During Remote-Learning
 - 6) 10:30AM – 10:50AM : Prof. Raul Briceno (Old Dominion University, VA)
REYES: making STEM accessible
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10:50AM – 11:00AM : Virtual Coffee Break – Please prepare your own coffee

11:00AM – 12:00 noon : Presentation Session 3 – Featured Presentations

- 7) 11:00AM – 11:30AM : Prof. Carl Mungan (U.S. Naval Academy, MD)
Water Oscillations in a U-Tube
- 8) 11:30AM – 12:00 noon : Prof. David Wright (Tidewater Community College, VA)
Physics Phun with Kahoot

Lunch Break-out Session (12:00 noon – 1:00PM)

12:00 noon – 1:00PM :

You can step away from Zoom to go have your lunch in the privacy of your own kitchen, or stay online and socialize with your fellow attendees while having your lunch. We will have five breakout rooms open where you can meet and chat with your peers :

1. for Middle and High School Teachers
2. for Instructors at 2-year colleges
3. for Instructors at 4-year colleges
4. for Undergraduate and Graduate Students
5. Free for all

After-lunch Session (1:00PM – 3:20PM)

1:00PM – 2:00PM : Presentation Session 4

9) 1:00PM – 1:20PM : Dr. Anindya Roy (MIT, MA)

Watching Online Videos Collaboratively

10) 1:20PM – 1:40PM : Dr. John Ochab (Reynolds Community College, VA)

Entropy - What's in a Meaning

11) 1:40PM – 2:00PM : Ms. Maajida Murdock (Morgan State University, MD)

Wave-Particle Duality and Interference

2:00PM – 2:10PM : Virtual Coffee Break – Please prepare your own coffee

2:10PM – 3:10PM : Presentation Session 5

12) 2:10PM – 2:30PM : Dr. Jennifer Scott (Towson University, MD)

Sky and Telescope for Introductory Astronomy

13) 2:30PM – 2:50PM : Prof. Tatsu Takeuchi (Virginia Tech, VA)

How can we prevent students from searching for homework solutions on the web?

14) 2:50PM – 3:10PM : Samuel Williams et al. (Radford University, VA)

The Radford University Society of Physics (SPS) Physics Outreach Program

3:10PM – 3:20PM : Virtual Coffee Break – Please prepare your own coffee

Discussion Session (3:20PM – 4:30PM)

3:20PM – 4:00PM : Part 1 – **Share-a-thon**

Please join one of the following break-out rooms to share your ideas and opinions:

1. Ideas for Cool Classroom Demonstrations
2. Ideas for improving the quality of Student Research/Science Fair projects
3. Ideas for improving Introductory Physics Lab
4. Ideas for introducing various “flavors” into the Physics curriculum : Computational Physics/ Programming in Physics/Engineering Physics/etc.
5. Anything else you would like to discuss

4:00PM – 4:30PM : Part 2 – **“What can the CSAAPT do for you?” Meeting**

Please tell us what the CSAAPT can provide to assist in your teaching, e.g.

1. Talks by Physics Education research experts at the CSAAPT meetings
2. Talks by various experts working on the frontiers of physics and astronomy (e.g. LIGO, space telescope, LHC, etc.) with emphasis on how to explain the research to high school students
3. More talks about physics courses/programs that were successful at various institutions
4. Can I get help in meeting the NGSS (Next Generation Science Standard) and other standards?
5. Tutorials/workshops for various software and tools (e.g LaTeX, Overleaf, Mathematica, Glowsript, etc.) that would be useful for teaching
6. Tell me more about the availability of physics outreach programs, astronomical observatories with open houses, planetariums, etc. in my area where I can take my students to
7. etc.

4:30PM – 4:40PM : Closing statements from the CSAAPT President Jason Sterlace

4:40PM – 5:30PM : Post-Meeting Social in Zoom Breakout Rooms:

1. for Middle and High School Teachers
2. for Instructors at 2-year colleges
3. for Instructors at 4-year colleges
4. for Undergraduate and Graduate Students
5. Free for all
6. CSAAPT Business Meeting ← **CSAAPT members gather here!**

Please join us again for the **CSAAPT Fall 2021 Virtual Meeting!**