



2022 CO/WY Section Spring Meeting

"A STEM *Mindset* Experience"

Saturday, April 9th, 2022

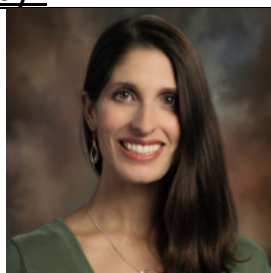
At the University of Denver

Hybrid format, accommodating both those in-person and online

(Link will be provided on the section website; see below)

Featuring

Invited talks by:



Marianne Ruggerio

Auburn High School in Rockford, IL

As physics educators we often take for granted the many processes and visualizations we perform in our heads. Teaching physics we are required to not only teach content, but also teach the process through which we approach and solve problems. One of the distinguishing attributes of first year physics students is the novice-style approach to solving problems, typically based upon common variables or equation hunting. Having students shift to more expert-like strategies, based upon more overarching ideas or concepts is often a challenge in physics teaching, but can be achieved by making this process visible and concrete to novice learners.

<https://physicsteachermomma.com/author/mariannaruggerio/>



Ed Prather

University of Arizona, Dept of Astronomy

Collaborators working with the Center for Astronomy Education (CAE) have spent decades developing active learning activities that allow students to investigate a wide range of science representations specifically designed to promote discipline fluency, critical thinking, and self-efficacy. Evaluation of students understanding has provided insight into how effective implementation of these instructional strategies can create classrooms that provide equitable and inclusive environments for learning.

<https://scholar.google.com/citations?user=JuhxPUIAAAJ&hl=en>

A special Career Opportunities Networking event:

"What can you do with a physics degree?"

For students, high school teachers, graduate students, and university professors alike! Meet a variety of folks who all started with undergraduate physics degrees and have landed in **both traditional and nontraditional career paths**. Industry representatives and employees talking about their experiences.

And, a new spin on our demo sharing tradition!

Register at: <https://cowyaapt.org/spring2022>

Apply for a contributed talk here: <https://forms.gle/Gw9wfuERwQ56kRES8>

Please contact **Steve Iona** (siona@du.edu) with any questions or concerns you may have regarding the meeting, and hope to see you at there!

For AAPT Section information and meeting updates/information, please visit: <https://www.cowyaapt.org/>