

<b>Monday, June 26</b>	<b>DSECOP 2023 Data Science in Physics Workshop</b>
9:00 – 9:30	<b>William Ratcliff</b> (NIST, University of Maryland) <i>Opening Remarks</i>
9:30 – 10:30	<b>Mohammad Soltanieh-ha</b> (Boston University) Overview of Fellows' Activity
10:30 – 11:00	<b>COFFEE Break</b>
11:00 – 11:30	<b>Julie Butler</b> (University of Mount Union) Introduction to Data Science Libraries: Using Pandas, Seaborn, and Matplotlib to Analyze and Display Physics Data
11:30 – 12:00	<b>Richard Harry</b> (Tuskegee University) Classification of Refractive Materials: An Introduction Module — <b>Hybrid</b>
12:00 – 1:00	<b>LUNCH</b>
1:00 – 1:30	<b>Maissam Barkeshli</b> (University of Maryland ) ML for Physics undergraduate course
1:30 – 2:00	<b>Connor Robertson</b> (New Jersey Institute of Technology) Exploring and predicting projectile motion with drag using time series analysis and forecasting
2:00 – 2:30	<b>Ashley Dale</b> (Indiana University) Connecting Monte Carlo Methods to Modern AI/ML
2:30 – 3:00	<b>Karan Shah</b> (Center for Advanced Systems Understanding) Introduction to Computer Vision algorithms with applications in lab courses
3:00 – 3:30	<b>COFFEE Break</b>
3:30 – 4:00	<b>Joseph Dominicus Lap</b> (Yale University) Symbolic Regression: Laws from Data
4:00 – 4:30	<b>Jacob Hale</b> (DePauw University) Early implementation of modules in a Sophomore/Junior level experimental methods course
4:30 – 5:30	<b>Alexis Knaub</b> (American Association of Physics Teachers) Challenges/Pedagogy

<b>Tuesday, June 27</b>	<b>DSECOP 2023 Data Science in Physics Workshop</b>
9:00 – 9:30	<b>Wolfgang Losert</b> (University of Maryland) Role of Data Science in Intro Physics Course
9:30 – 10:00	<b>William Ratcliff</b> (NIST, University of Maryland) Data Science and the Physics Curriculum
10:00 – 10:30	<b>Mohammad Soltanieh-ha</b> (Boston University) Discussion: Tools
10:30 – 11:00	<b>COFFEE Break</b>
11:00 – 12:00	<b>Linda Hung</b> (Toyota Research) & <b>Jie Ren</b> (Merck) & <b>Valentin Stanev</b> (AstraZeneca) Industry Panel: Preparing Students for Industry — <b>Hybrid</b>
12:00 – 1:00	<b>LUNCH</b>
1:00 – 1:30	<b>Anil Zenginoğlu</b> (University of Maryland) Learning AI from AI
1:30 – 2:00	<b>Chris Orban</b> (Ohio State University) Data Science in Introductory Physics and Physical Science: Ideas from the STEMcoding Project
2:00 – 2:30	<b>Ji-An Yan</b> (Towson University) Development of an Interdisciplinary Scientific Computing and Data Science Course: Challenges, Experiences, and Lessons
2:30 – 3:00	<b>Joseph F Kozminski</b> (Lewis University) Using Data Science in Advanced Physics Laboratories
3:00 – 3:30	<b>COFFEE Break</b>
3:30 – 4:00	<b>Johnny Lin</b> (University of Washington Bothell) Beginning at the Beginning: Teaching Novice Physicists Data Science Programming
4:00 – 4:30	<b>Ivo Dinov</b> (University of Michigan) Data Science Modules Enhancing the Biophysics Curriculum
4:30 – 5:00	<b>Fellow Discussion</b> Group discussion of DSECOP fellows with the audience

<b>Wednesday, June 28</b>	<b>DSECOP 2023 Data Science in Physics Workshop</b>
9:00 – 9:30	<b>Alexis Knaub</b> (American Association of Physics Teachers) Discussion: Pedagogical considerations and challenges
9:30 – 10:00	<b>William Ratcliff</b> (NIST, University of Maryland) Discussion: What we have learned so far
10:00 – 10:30	<b>Jason Hattrick-Simpers</b> (University of Toronto) Large Language Models – My Best Friend, My Worst Enemy
10:30 – 11:00	<b>COFFEE Break</b>
11:00 – 12:00	<b>Round-Table</b> Action Plan for Data Science Education in the Undergraduate Physics Curriculum
12:00 – 1:00	<b>LUNCH</b>