



**2022 mini-Beyond First Year Regional ALPhA Conference  
 NY Region, SUNY New Paltz  
 Program Schedule: all events in Science Hall**

<b>9:00 – 9:30 AM</b>	Breakfast and Coffee	First Floor
<b>9:30 – 9:50 AM</b>	Welcome and Introductions	Room 181
<b>10:00 – 12:00 PM</b>	Workshop Session 1 <ul style="list-style-type: none"> <li>• Michael Huster, Duquesne University, <i>MicroPython for Beyond First Year Labs</i></li> <li>• Jenny Magnes, Vassar College, <i>RC Frequency Filter with Arduino</i></li> <li>• David A. Van Baak, TeachSpin, Inc., <i>A tabletop apparatus for spin manipulation of protons</i></li> </ul>	Room 157 Room 159 Room 160
<b>12:00 – 1:00 PM</b>	Lunch	Second Floor
<b>1:00 – 2:30 PM</b>	Workshop Session 2 <ul style="list-style-type: none"> <li>• Juan Merlo, Vassar College, <i>Experimental observation of topological phase transitions in a mechanical 1D-SSH model</i></li> <li>• Daniel Marlow, Princeton University, <i>Radio Astronomy with an 18-m Radio Telescope</i></li> <li>• David A. Van Baak, TeachSpin, Inc., <i>A tabletop apparatus for spin manipulation of protons</i></li> </ul>	Room 157 Room 159 Room 160
<b>2:30 – 2:45 PM</b>	Coffee Break	Second Floor
<b>2:45 – 4:00 PM</b>	Talks <ul style="list-style-type: none"> <li>• Merideth Frey, Sarah Lawrence College</li> <li>• Michelle McColgan, Siena College</li> <li>• Catherine Herne, SUNY New Paltz</li> <li>• Rose Finn, Siena College</li> </ul>	Room 181
<b>4:00 – 4:45 PM</b>	Advanced Lab Strategy Session Breakouts <ul style="list-style-type: none"> <li>• Lab notebook design and grading</li> <li>• Learning outcomes/objectives for labs</li> <li>• Independent project choices and design</li> <li>• Lab group formation and choice</li> </ul>	Room 181



<b>4:45 – 5:30 PM</b>	Research, Planetarium and Observatory Tours <ul style="list-style-type: none"><li>• Tour of New Paltz teaching facilities and research opportunities, including a visit to the John R. Kirk Planetarium and optional trip to the Smolen Observatory</li></ul>	First Floor (meet)
<b>Times TBD</b>	TeachSpin's <i>Food Truck for the Physics Mind</i> exhibitions trailer	Parking lot