

**Astronomy Education Workshop 2019**  
**Fall 2019 N-AAPT Meeting**  
**October 12, 2019 Jorgensen Hall, UNL City Campus**



**Booths (available all day -- staffed for some of the day)**

<b>Free Online Astronomy Texts</b> <i>Brandon Harper</i>	<b>Interactive Materials from Macmillan</b> <i>Jeff Skillman</i>	<b>NASA Nebraska Space Grant</b> <i>Tammy Blobaum, Elizabeth Dunn</i>	<b>Science Demonstrations</b> <i>Larry Browning Ian Charnley</i>	<b>National Nanotechnology Day</b> <i>Terese Janovec</i>
<b>8:30 – 9 am</b>	<b>Continental Breakfast &amp; Registration</b>			
<b>9 – 9:10 am</b>	<b>Opening Welcome (JH 110)</b> Mark Button, UNL Dean of the College of Arts & Sciences			
<b>9:10 – 10:10 am</b>	<b>Presentation: “Gravitational Wave Polarization: Did Einstein Get it Right and Why Should We Care?”</b> Robert Hilborn, AAPT (JH 110)			
<b>10:10–10:25am</b>	<b>Updates on Local Projects and Business Items (JH 110)</b>			
<b>Breakout Sessions</b>				
<b>10:30 – 11:00 am</b>	<b>Make &amp; Take: Projection Microscopes</b> <i>Larry Browning (JH 151)</i>	<b>The UNL Approach to IPLS</b> <i>Steve Ducharme, Keith Foreman (JH 245)</i>	<b>Phantastic Photons</b> <i>Tom Brestel (JH 249)</i>	<b>Blue Marble Matches</b> <i>Michael Edmundson (JH 145)</i>
<b>11:00 – 11:30 am</b>	<b>Interactive Use of Physics Demos</b> <i>Kevin Lee, Cliff Bettis (JH 136)</i>	<b>IoLab</b> <i>Jeff Skillman (JH 251)</i>	<b>NASA Space Grant Opportunities</b> <i>Tammy Blobaum, Elizabeth Dunn (JH 145)</i>	<b>HTML5 Simulations on Lunar Phases</b> <i>Chris Siedell (JH 247)</i>
<b>11:30 am – Noon</b>	<b>Modeling Activities in Astronomy</b> <i>Ethan Van Winkle (JH 151)</i>	<b>The Living Physics Portal</b> <i>Bob Hilborn (JH 245)</i>	<b>Teaching STEM/Nano: Quick, Cheap, &amp; Easy</b> <i>Steve Wignall (JH 249)</i>	<b>Exploring Venus</b> <i>Mindi Searls (JH 145)</i>
<b>Noon – 12:30 pm</b>	<b>Interactive Use of Astronomy Demos</b> <i>Dale Stille, Cliff Bettis (JH 136)</i>	<b>Math Readiness Exams</b> <i>Brandon Harper Allan Donsig (JH 211)</i>	<b>Funsized Physics</b> <i>Jocelyn Bosley Shireen Adenwalla (JH145)</i>	<b>Lunar Astronomy Demonstration Videos</b> <i>Emily Welch (JH 247)</i>
<b>12:30 – 1:30 pm</b>	<b>Lunch</b> Selleck Hall President’s Room			Solar Observing (Patio)
<b>1:30 – 2:25 pm</b>	<b>Presentation: “Innovating Astronomy Education with Robotic Telescopes”</b> Kathryn Williamson, West Virginia University (JH 110)			
<b>Longer Sessions</b>				
<b>2:30 – 4 pm</b>	<b>Integrating Computation</b> Bob Hilborn (JH 151)	<b>The Pulsar Search Collaboratory</b> Kathryn Williamson (JH 149)	<b>Broadening Participation in Science</b> Elizabeth Lewis, Ashley Jadwin, & Emily Welch, (JH 245)	
<b>4:00m – 4:30 pm</b>	<b>Evaluations, Door Prize Raffle (must be present to win), Dismissal</b>			
<b>4:30 pm</b>	<b>N-AAPT Business Mtg</b> (JH 145)			

