

**Astronomy Education Workshop #17**  
**Fall 2018 N-AAPT Meeting**  
**October 6, 2018 Jorgensen Hall, UNL City Campus**



Booths (available all day -- staffed for some of the day)				
<b>Projection Microscopes</b> <i>Larry Browning</i>	<b>Branched Oak Observatory</b> <i>Michael Sibbernsen &amp; BOO Associates</i>	<b>NASA Nebraska Space Grant</b> <i>Elizabeth Dunn</i>	<b>“At Play in the Cosmos: The Videogame”</b> <i>Brandon Harper</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> Donde Plowman, UNL Executive Vice Chancellor			
<b>9:10 – 10:10 am</b>	<b>Presentation: “Bringing Citizen Science Zooniverse-based Research Experiences into Introductory Science Courses”</b> Laura Trouille, Adler Planetarium (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>Phantastic Photon: The Colors &amp; Physics of Light Using LEDs</b> <i>Tom Brestel, Judy Stucky (JH 151)</i>	<b>The Rotating Sky</b> <i>Kent Reinhard (JH 149)</i>	<b>Water &amp; Climate on Mars</b> <i>Mindi Searls (JH 245)</i>	<b>Collaborative Problem Solving</b> <i>Steve Ducharme (JH 247)</i>
<b>11:00 – 11:30 am</b>	<b>Discussion: Defining Astronomy for K-12</b> <i>James Blake (JH 249)</i>	<b>Blue Marble Matches!</b> <i>Michael Edmundson (JH 251)</i>	<b>An Acoustic Whirligig</b> <i>Cliff Bettis (JH 145)</i>	<b>Introducing an Online Ranking Task Editor</b> <i>Chris Siedell, Brandon Harper (JH 211)</i>
<b>11:30 am – Noon</b>	<b>Classroom Uses of the DIY Zooniverse Project Builder Tool</b> <i>Laura Trouille (JH 151)</i>	<b>Capabilities of the Armillary Sphere</b> <i>Emily Welch (JH 149)</i>	<b>Teaching with Nanokits</b> <i>Terese Janovec, NCMN Outreach Students (JH 245)</i>	<b>Discussion: Why the Big Bang Was Not the Beginning</b> <i>Adam Davis (JH 247)</i>
<b>Noon – 12:30 pm</b>	<b>Astronomy Using Planetarium Software</b> <i>Todd Young (JH 151)</i>	<b>Using 360° Videos</b> <i>Brandon Harper, Marina Bush (JH 149)</i>	<b>Funsized Physics</b> <i>Jocelyn Bosley, Shireen Adenwalla (JH145)</i>	<b>Using HTML5 Physics Simulations</b> <i>Robert Tabb (JH 211)</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: “The Detection of Gravitational Waves from the Merging of Very Massive Astrophysical Objects Extremely Far Away”</b> Greg Snow, UNL (JH 110)			
<b>Longer Sessions</b>				
<b>2:30 – 4 pm</b>	<b>Classroom-based Citizen Science Research Experiences through Zooniverse</b> <i>Laura Trouille (JH 151)</i>	<b>Using Astronomy Demonstration Videos</b> <i>Emily Welch, Kevin Lee, &amp; Lisa PytlikZillig (JH 149)</i>	<b>Overview of Nanotechnology</b> <i>Terese Janovec, Steve Ducharme, Anand Sarella (JH 245)</i>	
<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> <i>(JH 145)</i>			

