

- [PHYSANIC: Physics Panic and How to Keep it Away!](#)  
by Leah Flax, *Tidewater CC*
- [High School Research Program for Underrepresented Minorities in Physics](#)  
by Ananya Sitaram, Landry Horimbere, *UMD, College Park*
- [A Semester-Long Project Laboratory](#)  
by Henry Snyder, *Gallaudet U.*
- [QIS for the High School Student: An Exploration of `Spin First' Methodologies](#)  
by John Schiller, *Broadneck HS*, Peter Brereton, *USNA*
- [Simple Harmonic Oscillator solution without calculus](#)  
by Phuc Tran, *John Tyler CC*
- [Interpreting Reality – Bell's Test](#)  
John Ochab, *Reynolds CC*
- Is Quantum in HS Crazy? (featured talk)  
by Dr. Karen Jo Matsler, *U. of Texas, Arlington*
- [Modified Atwood Machine](#)  
by Carl Mungan, *USNA*
- [STEM: Teaching Particle Physics in Space Weather Studies](#)  
by Ronald Freeman, *AIAA*
- [Fun with Fourier Transforms, or, How I Learned to Stop Worrying and Love Convolutions](#)  
by Ryan Fisher, *Christopher Newport U.*
- Toolkit for Success: Physics is for Everyone  
by Donna Hammer, Angel Torres, *UMD, College Park*
- [Peer Research Mentorship for FIRE](#)  
by Ojo Akinwale, Fred Garcia, Joao Pereira, Norman Moon, *UMD, College Park*
- [Strategies that work for performing research with undergraduates, high school students, and private citizens](#)  
by James Freericks, *Georgetown U.*
- [The WISE Strategy for Problem Solving](#)  
by David Wright, *Tidewater CC*
- Demo Share-a-thon