



Frank Haig Prize (best presentation from a 4-year college)

[A Rocket Propelled by a Pair of Spring-Loaded Cannons](#)
by **Carl E. Mungan**, U.S. Naval Academy



John Newman Prize (best presentation from a 2-year college)

[Project-Based Learning for AP Physics 1](#)
by **Jeanette Morin**, *West Potomac High School*



Best Student presentation

[Kepler's Third Law of Planetary Motion](#)
by **Brianna Wachter**, *Frederick Community College*



David Wright Prize

[A Gentle Introduction to Computational Modeling](#)
by **Alex Barr**, *Howard Community College*



Best Demo

[Torque and Center of Mass](#)
by **David Wright**, *Tidewater Community College*

Frank Haig Prize: Carl Mungan, US Naval Academy. Vertical Motion of a Ball Subject to Air Drag
John Newman Prize: Tony Wayne, Albermarle HS, Simple Bernoulli and Two Lenz Law Demos
Best Student Paper: Jonathan Perry, Towson University, A Relay-Based Adder Circuit
David Wright Prize: David Wright, Tidewater Community College, Physics Olympics
Best Demo: Francesca Viale, Northern Virginia CC, A simple Electroscope Make-and-Take