The Physics of Renewable Energy
by **Harold Geller**, *George Mason University*
Video Analysis of an Unrolling Mat Using Tracker
by **Carl E. Mungan**, *Physics Dept, U.S. Naval Academy*
Using Screencasts to Present Homework Solutions in the Introductory Physics course
by **Randall Jones**, *Loyola University Maryland*
Spectral Analysis Using Excel
by **Phuc Tran**, *John Tyler Community College, Midlothian*
Advanced CCD Photometry and Exoplanet Transit Photometry
by **Kenny A. Diaz Eguigure**, *Howard Community College, University of Maryland, and Southern New Hampshire University*
Acceleration of Rolling Objects
by **Anshu Sharma**, *Randolph-Macon College*
Using x-ray fluorescence spectroscopy to demonstrate Moseley's Law
by **Pegah Avazpour, Thaina Brito, Perry Wood, Debra Ellis, and Christopher Stromberg**, *University of Maryland, Frederick Community College, and Hood College*
The Human Analemma Sundial
by **Daniel Goldman**, *Rosa Parks Middle School*
Bathroom Physics Demos
by **Russ Poch**, *Howard Community College*
The Wave-Particle Duality of Light
by **Anshu Sharma**, *Randolph-Macon College*
Make and Take Demo: Fun with Cartesian Divers
by **David Wright**, *Tidewater Community College*
Workshop: Introduction to Arduinos
by **Mark Edelen**, *Howard Community College*