

FAASTeam presents:

# Energy Management - A Different Approach to Flying

Physicists approach flying the way they do other studies of mechanical motion, with an understanding of mass, speed, force, work, and energy. Values and relationships accumulated over the years describe the interaction of bodies in motion, in a way that allows scientists and engineers to make predictions about their behavior.

Pilots inside cockpits moving through space are more often concerned with the task of flying, what action of the controls causes the aircraft to climb, descend, turn, or remain straight and level. Our perspective is often focused on our little picture, on the stuff we touch inside the cabin. But much can be gained from taking the big picture look at flying, and especially approach to landing, from the perspective of an energy scientist. This is the Energy Management approach to landing.

In this presentation, SCFC CFI's bring us a big picture overview of how energy is created, consumed, used, and transferred in aviation. How can an understanding of chemical, kinetic, and potential energy inform our skills as pilots? Which flight control most easily transfers energy back and forth between potential and kinetic? Where does the energy go?

A good pilot is always learning. Join us if you want to improve your landings by coming at it

## Event Details

**Sat, Jan 30, 2016 - 12:00 PST**

**San Carlos Flight Center**

655 Skyway Road

Suite 215

San Carlos, CA 94070



**Contact: San Carlos Flight Center  
(650) 946-1700**

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Select #: WP1566761

Representative Jonathan Slocum

from an entirely different angle.

**Directions:** Pilots who fly in should park in transient parking on the opposite side of the field and expect to walk about 10 minutes (.5 mile) to the Flight Center. Suite 215 is upstairs in the northwest corner. On occasion, rides may be prearranged through San Carlos Aviation and Supply.

**A message from the National FAASafety Manager**

Invite a fellow pilot to the next WINGS Safety Seminar in your area.

Sign up for the FAA's safety services at [www.FAASafety.gov](http://www.FAASafety.gov)!

The FAA Safety Team (FAASafety) is committed to providing equal access to this meeting/event for all participants. If you need alternative formats or services because of a disability, please communicate your request as soon as possible with the person in the "Contact Information" area of the meeting/event notice. Note that two weeks is usually required to arrange services.