

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. Yay, science! 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. SCFC Chief Pilot Dan Dyer is fascinated with the many different ways that flight instructors can approach teaching the same subjects, and enjoys finding new angles on the old standbys. In this presentation, Dan brings 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

Event Details

Sat, Jan 3, 2015 - 12:00 PST

San Carlos Flight Center

655 Skyway Rd

Suite 215

San Carlos, CA 94070



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Representative Terry Fiala

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 from an entirely different angle. Dan Dyer is Chief Pilot of San Carlos Flight Center and has been instructing for 11 years, first in helicopter and now in airplanes. He has almost 4,000 flight hours and is the Bay Area's local expert in crosswind landing instruction. He regularly speaks on advanced ground school topics, and was one of the founders of the Bay Area Fly Out Group - a social club of over 350 pilots that meet for lunches, dinners, and other fun aerial adventures. Find out more about Dan at www.sancarlosflight.com or contact him at dan@sancarlosflight.com. San Carlos Flight Center was voted Best Flight School in the US in the 2013 AOPA Flight Training Excellence Awards. We are committed to promoting safety in general aviation through our evening safety seminar programs. For more information about this and any of our weekly seminars, please visit <http://sancarlosflight.com/activities-and-events>.

Directions: Located in the SkywayBuilding, next to the Hiller Aviation Museum. Parking and entrance behind building. Suite 215 is upstairs in the northwest corner. Pilots who fly in should park in transient parking and call the Flight Center for a ride (650)946-1700.

A message from the National FAASafety Team 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!

The FAA Safety Team (FAASafety Team) 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.