BUENAVENTURA AEROSPACE AND ELECTRONIC SYSTEMS SOCIETY

The Sun – Star of our Solar System

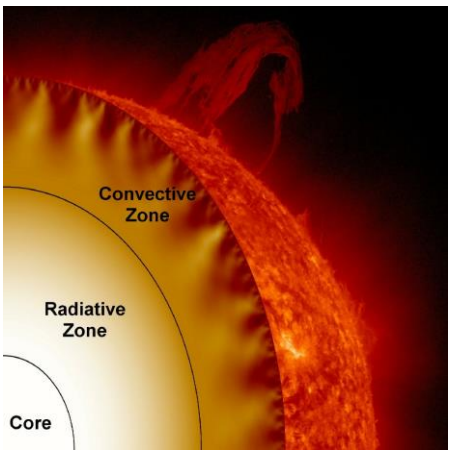
By Jerry Clifford, Ph.D
Lecturer, Applied Physics
California State University Channel Islands

November 17, 2016

Pizza 6:30 pm – Talk at 7:00 pm

Please register here

La Reina High School, 106 West Janss Road, Thousand Oaks, CA



The Sun is our local star – a good place to learn about stellar activity. Our star is the source of most of the energy we use on Earth. The Sun is a volatile gas ball that seethes and churns; large magnetic storms spit out charged particles in solar flares and coronal mass ejections -- sometimes towards Earth. Violent solar weather can damage electrical systems, disrupt communications and satellites, and threaten astronauts. Astrophysicists study the Sun to learn how it produces its solar weather and hopefully, learn how to predict solar storms that might impact life on Earth. Dr. Jerry Clifford will examine the Solar Dynamo Model for the Sun as a dynamic sphere of plasma.

Our Guest Speaker:

Jerry Clifford has spent over thirty years as a research scientist and educator after receiving a PhD in nuclear physics at Iowa State University. As an Air Force officer, he taught physics at the Air Force Academy, worked on weapons programs, studied particle beams for Reagan's Star Wars, and worked in the Office of the Secretary of Defense. Before anti-terrorism was in vogue, Jerry worked on new technologies to detect explosives in luggage for airport security. Jerry now teaches physics and astronomy at California State University Channel Islands.