ABSTRACT: Terrance Yee of Black Sun Planetary Solutions will discuss dramatic and interesting troubleshooting and problem solving experiences from his 24 year career as a spacecraft engineer and, more recently, as head of a new solar energy company. He will describe the harrowing tale of the post launch emergency on a US Air Force experimental satellite and the heroic efforts made to recover the spacecraft. Mr. Yee will then examine how modern engineering forensics techniques are applied to find the root causes of failures in spacecraft hardware. He will also introduce some of his current projects at Black Sun including a novel method for addressing orbital debris that has opportunities for collaboration at UCSD.

BIO: Terrance Yee received his B.S. in Aerospace Engineering from UCLA and his M.S. in Aerospace Engineering from University of Colorado. He has served as Chief Engineer for five spacecraft, Integration & Test Lead for two spacecraft, Program Manager for a spacecraft and a launch vehicle, and has held a lead role in flight operations on two missions. He is President & Chief Executive Officer of Black Sun Planetary Solutions.

Light Refreshments to be Provided

For more information, please visit: http://casgc.ucsd.edu/?p=4796