



## BUENAVENTURA AEROSPACE AND ELECTRONIC SYSTEMS SOCIETY

# Top Secret Airplanes

Tapio Kartalia

**Thursday January 18, 2018 at 6:30 pm**

CLU's Gilbert Sports Center, Room 254

130 Overton Court, Thousand Oaks, CA

Meetings are free and open to the public

R.S.V.P. [here](#)



The Presentation covers a summary of the procedure required to create a brand new airplane. The three aircraft design steps, the conceptual, the preliminary, and the detailed design phases are discussed with an introduction to various aircraft design constraints and design aspects.

The discussion is mainly focused on three Lockheed Skunk Works airplanes each of which advanced the state of the art in aeronautics by leaps and bounds. The U-2 Dragon Lady, the SR-

71 Blackbird, and the F-117 Nighthawk (Stealth Fighter) are all considered to be among the greatest in the history of Aeronautics.

Tapio Kartiala has over 45 years' experience as an Aerospace Structures Engineer, and over 35 years teaching experience as an adjunct teacher at Los Angeles Valley College in the Engineering Department. He earned his Master's degree from USC, and a Bachelor's degree from UCLA. He has a Professional Engineer's License from the State of California, an Engineering Instructor's Credential from the Los Angeles Community College District, and two U.S. patents. In 2005 he founded SETLA (Scientists, Engineers and Technicians Leadership Association), and he has many years of community involvement as a member of the North Hills Jaycees, an officer of S.O.L.I.D. (Supporters of Law enforcement In Devonshire), a member of the Granada Hills Chamber of Commerce, and supporting the Granada Hills Rotary community projects.



**Location:** California Lutheran University  
Gilbert Sports and Fitness Center,  
2nd floor, Rooms 254  
130 Overton Court,  
Thousand Oaks, CA 91360

Pizza/networking starts at 6:30 pm  
Talk starts at 7:00 pm

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