



**POWER & ENERGY SOCIETY
INDUSTRY APPLICATIONS SOCIETY
LIFE MEMBERS AFFINITY GROUP
NEW YORK SECTION**

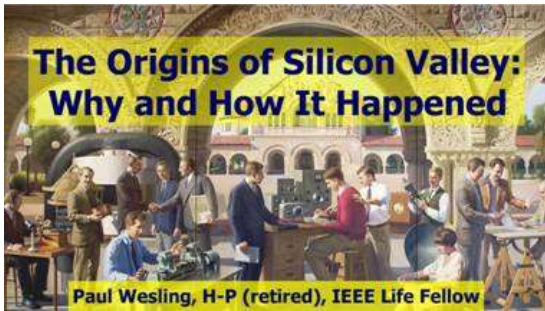


You are invited to a meeting of the PES & IAS NY Chapter and the NY LMAG on

THE ORIGINS OF SILICON VALLEY: WHY AND HOW IT HAPPENED

Thursday, April 12th, 2018

THE PRESENTATION: Silicon Valley is known to be unique, with its wealth of technology companies and different style of management. Why did *Silicon Valley* come into being? The story goes back to local Hams



(amateur radio operators) trying to break RCA's tube patents, Stanford "angel" investors, the sinking of the Titanic, Fred Terman and Stanford University, local invention of high-power tubes (gammatron, klystron), WW II and radar, William Shockley's mother living in Palo Alto, and the SF Bay Area infrastructure that developed -- these factors pretty much determined that the semiconductor and IC industries would be located in the Santa Clara Valley, and that the Valley would remain the world's innovation center as new technologies emerged -- RISC computing

(this year's Turing Award), software, mobile, biotech, Big Data, VR, and now autonomous vehicles -- and it would become the model for innovation worldwide.

THE SPEAKER: Paul Wesling, an IEEE Distinguished Lecturer, will give an exciting and colorful history of device technology development and innovation that began in Palo Alto, then spread across the Santa Clara Valley during and following World War II. You'll meet some of the colorful characters -- Leonard Fuller, Lee De Forest, Bill Eitel, Charles Litton, Fred Terman, David Packard, Bill Hewlett, Russ Varian and others -- who came to define the worldwide electronics industries through their inventions and process development. You'll understand some of the novel management approaches that have become the hallmarks of tech startups, and the kinds of engineers/developers who thrive in this work environment. He'll end by telling us about some current local organizations that keep alive the spirit of the Hams, the Homebrew Computer Club, and the other entrepreneurial groups where geeks gather to invent the future.

ALL ARE INVITED – PLEASE POST

RSVP: <https://meetings.vtools.ieee.org/m/169871>

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Chair Technical Committee: Sukumar Alampur

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FOR SECURITY REASONS: NO WALK-INS!

When: 5:30 pm — Starts-Refreshments & Program

7:30 pm — Program Ends

Where: Con Edison

Edison Room

4 Irving Place, New York, NY 10003

Nearest Subway: 14th St/Union Sq.

This program will be awarded IEEE Continuing Education Units.

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