



## The IEEE San Fernando Valley Section Power and Energy Society (PES) Chapter

Welcome to the presentation on:

### Introduction to HVDC Power Transmission

#### Paul Shockley



#### Short Description of the Presentation

The presentation will be an introduction to High Voltage Direct Current (HVDC) Transmission and its role in the electric transmission industry. Topics that will be covered are:

- Major components of an HVDC transmission system
- HVDC Converter Technologies
- Economics and performance of HVDC systems compared to traditional AC transmission Systems
- Drivers for growing utilization of HVDC

#### Speaker's Biography

Paul Shockley has over 44 years of experience in the electric utility industry and HVDC systems. Paul earned his B.S. in Electrical Engineering from California State University Northridge in 1972, and his M.S. in Power Systems from University of Southern California in 1979. He is a Senior Member of IEEE Power Engineering Society.

Paul started his career as an electrical engineer with the Los Angeles Department of Water and Power. He was responsible for systems engineering at Sylmar HVDC Converter Station from 1972 to 1980, and the Intermountain Power Project HVDC transmission system from 1980 to 1987. During this time, Paul also taught numerous in-house HVDC courses at LADWP, and from 1983 to 1985, a Masters level course on HVDC at University of Southern California. After 1987, Paul held several management positions at LADWP. In 1998, he began working with ABB Power Systems as a Senior HVDC Consultant. In this position, he has assisted customers in defining system requirements and developing specifications, and has conducted training classes on HVDC technology for customer staff.

**Where:** ITT Technical Institute  
12669 Encinitas Ave  
Sylmar, CA 91342

**When:** Thursday, April 14, 2016  
6:00 – 6:30 PM: Pizza & Networking  
6:30 – 7:00 PM: PES in Action  
7:00 – 8:00 PM: Presentation

**No Cost, Space is limited –  
Please RSVP at registration link**  
[shockley.eventbrite.com](http://shockley.eventbrite.com)

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