



MEETING NOTICE & INVITATION  
Pacific Northwest Chapter • Society for Information Display

***LCDs and OLEDs – The “Inside” Story***  
**Aris Silzars**

President, Northlight Displays

**Wednesday, March 18th at 6:00 P.M.**

Esterline Control Systems  
11910 Beverly Park Road  
Everett, WA 98204

**Abstract**

This talk will be a visual journey into what’s inside current products that use LCD and OLED displays. We will begin with a quick look at how the electronics are configured in most products that use flat-panel displays. Then we’ll move on to taking a look at examples of backlight technology and how the nicely uniform screens are achieved. Next we’ll take a look at examples of pixel structures and what are the mainstream approaches. From there we will journey down to the micron and sub-micron level to look at the TFTs and how they are constructed. The final topic will be a look at the details of what actually goes on inside an OLED pixel. This look will provide more than a hint at why OLED technology has been – and will continue to be -- so challenging to implement.

**Speaker Biography**



Aris Silzars is the founder and president of Northlight Displays, a consulting firm. He is using his more than 30 year experience to consult on business development, technology support and strategic consulting for established and emerging Information Display companies.

Earlier in his life Aris was at Tektronix as general manager of the hybrid components operations, and several other key roles. He was president of Interchip Solutions, and of Lanxide Electronics Components. At DuPont he was senior consultant for electronics. At Sarnoff Labs he was director of the Display Research Lab. His very rich

experience and very interesting career is summarized in [displayconsulting.com](http://displayconsulting.com) or [arissilzars.com](http://arissilzars.com).

Aris is very active in the SID organization. He is a past president of SID, and very active in several committees, as well as an officer of the PNW chapter.

## Seminar

The Seminar is free. Please join the speaker for a no-host dinner after the seminar. Directions to the restaurant will be provided at the seminar. Non-Members are welcome. RSVP to Gary Johnson at [Gary.Johnson@tek.com](mailto:Gary.Johnson@tek.com) or (503) 627-1985. Please indicate if you plan to participate in the dinner.

The Pacific Northwest Chapter of the Society for Information Display was established for the following purposes:

- To support the activities and purposes of SID.
- To encourage and contribute to the scientific and educational advancement in the field of information display and to promote its use.
- To provide forums for the exchange and dissemination of ideas and knowledge relating to the field of information display.

The Executive Committee of the Pacific Northwest Chapter consists of:

- Director: Adi Aibileah - Consultant
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- Co-Chair: Chris King – Consultant
- Secretary: Gary Johnson - Tektronix
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