



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

***Amorphous Oxide Semiconductor Thin-Film Transistors:
Sellebration, Substrates, & Stability***

John F. Wager

School of EECS, Oregon State University

Wednesday, March 20th - 6:00 P.M.

Oregon State University
Kelley Engineering Center, Seminar Room 1005
Corvallis, OR 97331-3211 (541) 737-2994

Abstract

Creating Indium gallium zinc oxide (IGZO) amorphous oxide semiconductor (AOS) thin-film transistor (TFT) commercialization is upon us. iPADs. AMLCDs. AMOLED demos, with rumors of near-term product introduction. Etc. For the AOS TFT community, it is a time to celebrate sales, i.e., sellebrate! Thus, the initial focus of this talk will be to provide a terse review of AOS TFT history and a brief outline of current events, emphasizing commercialization, which is intended to motivate subsequent sellebration, especially for those of us who have been working on this topic for the last decade or so.

What's next? That depends, primarily, on the substrate employed – glass, metal, plastic, paper, or, perhaps, silicon – and, also, on the stability of the AOS TFT. Thus, the second focal point of this talk will be to consider and assess substrates and AOS TFT stability. This portion of the talk is intended to be provocative and, possibly, controversial.

Speaker Biography



John F. Wager holds the Michael and Judith Gaulke Endowed Chair in the School of EECS at Oregon State University. He is lead author of a book entitled "Transparent Electronics." Transparent electronics technology developed in his group at OSU was licensed to Hewlett-Packard Company who has continued advanced joint-development with his group. This technology is finding emerging, high-value applications in flat-panel display thin-film transistor backplanes. His current research interests include transparent electronics, oxide electronics, printed electronics, metal-insulator tunneling electronics, and thin-film photovoltaics.

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 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.

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