

“Joint CVOSA / OSSC Meeting”

“Lens Design for Cinematography”

Dan Sasaki, Panavision Woodland Hills
Vice President of Optical Engineering

Modern digital motion picture cameras when wed to high performance optics can produce images that some cinematographers consider to be too sharp or unflattering. The look produced by this combination can be categorized as looking as either “blue” or “orange” and many cinematographers ask that we help them create an image that they feel has a more organic “roll-off” through lens selection/modification.



Some of the strategies we have used to accomplish this include inducing higher order aberrations by violating nominal air gaps, producing glare characteristics through coating modifications, offering older optics as an alternative, and adding afocal attachments to target specific geometrical distortions. A direct relationship is developed between the cinematographer and the technician to accomplish the final product and the resulting lens could be considered to be a bad lens when compared to a modern well-corrected lens. Consequently, part of this exercise is to demonstrate that a well-corrected lens is not always the only solution to create an impression that is artistically desired.



About our speaker: Daniel Sasaki was educated at Cal State Long Beach. He began his career at Panavision in 1986 when he started as a lens service technician under the supervision of his father Ralph Sasaki. Under the mentorship of the legendary Tak Miyagishima, Dan started to pick up his practical optics methodology and began to customize optics for various cinematographers based on this type of philosophy. In 2006, Dan Sasaki left Panavision to further his career in optics technology by joining Dalsa Camera technologies. In 2008, Dan Sasaki returned to Panavision and has

subsequently been promoted to Vice President of Optical Engineering and is actively working to develop the new 70mm optical system.

Wednesday, March 11, 2015
Reception: 6:00; Dinner: 7:00; Talk: 8:00
Cost: \$20. After Mar. 8 - \$25
OSSC Student Members: free, \$10 after Mar 8.
Panavision
6101 Variel Ave., Woodland Hills, CA 91367
On-line Registration: www.osscc.org or
Contact: Kenn Bates, Events@osscc.org,
562-634-1435



Please post this notice and invite your friends & colleagues to attend!