



# Meeting Announcement

January 8<sup>th</sup> 2014

## Innovation in Vision Restoration: Second Sight

Jordan Neysmith, Director of Product Development, Second Sight



The Argus II Retinal Prosthesis System by Second Sight ([www.2-sight.com](http://www.2-sight.com)) is a neurostimulating medical device approved for use in the United States and the European Economic Area to restore some functional vision to people suffering from blindness. The system combines both implanted and external (body-worn) hardware. The implant is an epiretinal prosthesis comprised of an electronics case, antenna coil and electrode array offering 60 discrete channels of stimulation. That implant is coupled via an inductive (wireless) link to the Argus eyewear - a pair of sunglasses customized with RF coils, control circuitry and a video camera. The eyewear is



further connected to a video processing unit which performs image processing, diagnostic and safety functions while providing power to the entire system. Together the system components translate a live video of the visual scene into excitation of neurons of the inner retinal, which can then be interpreted by the visual cortex. This talk will review the history of vision restoration research, describe how the Argus II retinal prosthesis system functions and discuss pending developments in the field, with an emphasis on the optical aspects of this technology

**About our speaker:** Jordan Neysmith is Director of Product Development at Second Sight Medical Products, Inc. where he's been involved in the development of the Argus<sup>®</sup> II Retinal Prosthesis System for the last 12 years. He received a B.S. in Mechanical Engineering from Yale University and an M.S. in Mechanical Engineering from Georgia Tech. He worked briefly on optoelectronic devices before getting involved in the neuromodulation field, where his role has ranged from basic research on multielectrode



array fabrication technologies to clinical testing of patient psychophysics. At Second Sight he's supervised manufacturing groups, led the implantable device development team, initiated anthropometric modeling efforts and trained physicians to surgically implant the world's first commercially available "bionic eye". He has 29 issued U.S. patents and a handful of journal articles. His current responsibilities focus on introducing a greater market focus to the product development process and implementing a product management strategy.

**Wednesday, Jan 8<sup>th</sup>, 2014**

**Reception: 6:00; Dinner: 7:00; Talk: 8:00**

**Meal: Buffett Style Dinner and Bar available**

**Cost: \$30**

**(OSSC Student Members are Free!)**

**Parking: Free**

**Courtyard by Marriott**

700 West Huntington Drive

Monrovia, CA 91016

(626) 357-5211

On-line Registration: [www.OSSC.org](http://www.OSSC.org)

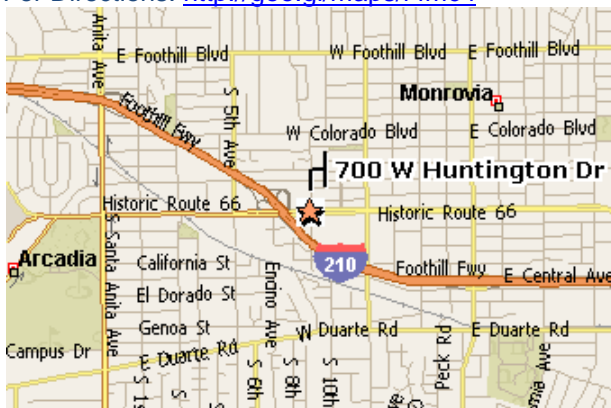
or

Contact OSSC Arrangements Chair Matt Samson

[Events@oss.org](mailto:Events@oss.org), 714-494-5349

Please Register by Jan 5, 2014

For Directions: <http://goo.gl/maps/f4mc4>



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