

Armand R. Tanguay, Jr.

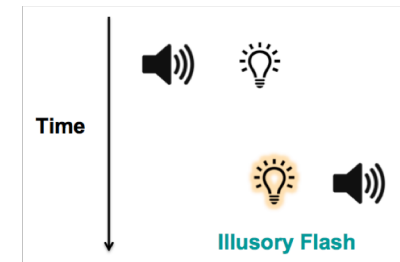
atanguay@usc.edu

<https://ngp.usc.edu/browse-faculty-a-z/profile/?faculty-profile=32>

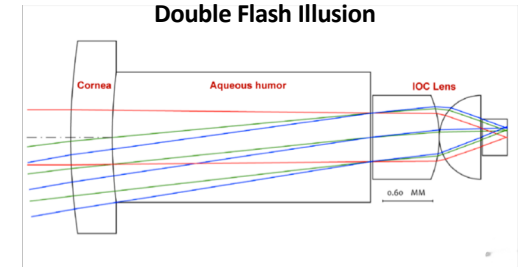
- Professor, Electrical and Computer Engineering, Chemical Engineering and Materials Science, Biomedical Engineering, Ophthalmology, Physics and Astronomy; Neuroscience Graduate Program
- B.S., Physics, California Institute of Technology (1971)
- M.S., M.Phil., and Ph.D., Engineering and Applied Science, Yale (1972, 1975, 1977)
- Rudolph Kingslake Medal and Prize (1986)
- Fellow, Optical Society of America (1986)
- Fellow, American Association for the Advancement of Science (1999)

Research Interests

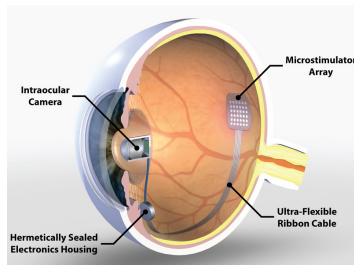
- Intraocular and Extraocular Retinal Prostheses: Ultraminiature Cameras
- Ultra Low Light Level Imaging Systems for Ophthalmological Examinations
- Visual Psychophysics; Multisensory Processing and Audio-Visual Illusions



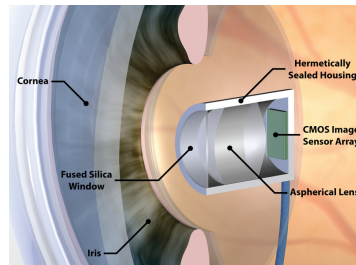
**Audio-Visual Spatial
Double Flash Illusion**



**Ultraminiature
Intraocular Camera**



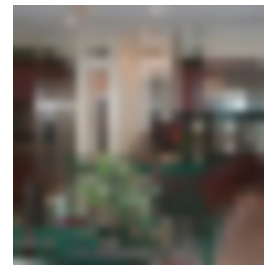
**Intraocular Camera for
Retinal Prostheses**



**Intraocular Camera for Retinal
Prostheses (Expanded)**



Original Scene



**Pixellated and Blurred
Image (25 x 25)**