

# CURRICULUM VITA

## PERSONAL DATA

Name: Jeffery Kirk Hovis

### Degrees:

Ph.D. in Physiological Optics, May 1986, Indiana University  
M.S. in Physiological Optics, June 1980, The Ohio State University  
Doctor of Optometry, June 1980, The Ohio State University

### Optometric Licenses:

State of Ohio, USA,	1980 to present.	Therapeutic Certification 1993
Province of Ontario, Canada	1986 to present	
State of Indiana, USA,	1981 to 1986	

### Post Ph.D. Degree Employment:

University of Waterloo	Associate Professor	1995 to present
University of Waterloo	Assistant Professor	1986 to 1995

## Recent Publications

### *Research Articles*

Ramaswamy S, Hovis JK. Does Dichromatic Color Simulation Predict Color Identification Error Rates? *Optom Vis Sci.* 2011;88:621-7.

Hovis, JK. When yellow lights look red: Tinted Sunglasses on the railroads. *Optom Vis Sci.* 2011;88:327-33.

Ramaswamy S, Hovis JK. Do Color-Deficient Observers Take Longer to Complete a Color-Related Task? *Optom Vis Sci.* 2009;86:964-70

Hovis JK. Repeatability of the Holmes-Wright type A lantern color vision test. *Aviat Space Environ Med.* 2008;79:1028-33.

Mei M, Leat SJ, Hovis J. Supra-threshold contrast matching and the effects of contrast threshold and age. *Clin Exp Optom.* 2007;90:272-81.

Hovis JK, Ramaswamy S. Color vision and fatigue: an incidental finding. *Aviat Space Environ Med.* 2007;78:1068-71.

Hovis JK, Ramaswamy S. Visual function of police officers who have undergone refractive surgery. *Am J Ind Med.* 2006;49:885-894

Chou BR, Hovis JK. Effect of multiple antireflection coatings on impact resistance of Hoya Phoenix spectacle lenses. *Clin Exp Optom.* 2006;89:86-9.

Hovis JK, Casson E, Delpero W. Aviation signal light gun: variations in photometric and colorimetric properties among airports. *Aviat Space Environ Med.* 2006 Jan;77:46-52.

Delpero WT, O'Neill H, Casson E, Hovis J. Aviation-relevant epidemiology of color vision deficiency. *Aviat Space Environ Med.* 2005;76:127-133.

Chou BR, Gupta A, Hovis JK. The effect of multiple antireflective coatings and center thickness on resistance of polycarbonate spectacle lenses to penetration by pointed missiles. *Optom Vis Sci.* 2005 Nov;82:964-9.

#### *Refereed Proceedings*

Zadeh, MH, Wang D, Kubica1 E, Hovis JK. Adaptation to Force in the Haptic Rendering of Virtual Environments In *Lecture Notes in Computer Science* . M. Ferre (Ed.): EuroHaptics 2008, Springer Berlin / Heidelberg 2008;5024:349-354.

Hovis JK, Ramaswamy S. The effect of test distance on the CN lantern results. *Vis Neurosci.* 2006;23(3-4):675-9.

Ramaswamy S, Hovis JK. Ability of the D-15 panel tests and HRR pseudoisochromatic plates to predict performance in naming VDT colors. *Vis Neurosci.* 2004;21(3):455-60.

Hovis JK, Ramaswamy S, Anderson M. Repeatability indices for the Farnsworth D-15 test. *Vis Neurosci.* 2004;21(3):449-53.

Hovis, J.K. Lantern tests: One light or 2. In *Normal and Defective Colour Vision*. Mollen, JD, Pokorny J, Knoblauch, K. eds. Oxford, 2003 pg 354-363.

#### *Abstracts, Presentations, Book Reviews and Nonreferreed proceedings*

Hovis, JK, Milburn, NJ, Nesthus T. Hypoxia color vision deficiencies and saturated blood oxygen. Poster presented at the 21st Symposium of the International Color Vision Society Kongsberg, Norway, July 2011. pg 93

Hovis, JK, Milburn, N. Color Discrimination of Color-Normals and Color-Defectives in a Mild Hypoxic Environment. Poster presented at the 16th International Symposium on Aviation Psychology. Abstract #159. Dayton Ohio, May 2011.

Hovis, JK. Comparison of 3 computer based color vision tests. Aviation Space Environ Med 2011;82:243 Poster presented at the Annual meeting of the Aerospace Medical Association, Anchorage Alaska, May 2011.

Ramamurthy, M. Hovis, J. Lakshminarayanan, V. Correlation between color discrimination thresholds and discrimination ability measured using the Farnsworth-Munsell 100 hue test. Poster Present at ESO International Vision Science & Optometry Conference-EIVOC 2010, Chennai India Aug 2010.

Ramaswamy S, Hovis JK. The optimum color vision test battery in predicting VDT color identification. Poster Presented at the American Academy of Optometry Annual Meeting. Optom Vis Sci 2009. E-abstract 95879.

Ramaswamy S, Hovis JK. Does computerized simulation of dichromatic color appearance predict VDT color identification error rate? [Abstract]. Journal of Vision, 2009; 9(14):74, 74a, <http://journalofvision.org/9/14/74/>, doi:10.1167/9.14.74.

Zadeh M.H., Wang D., Kubica E. and Hovis J., Adaptation to Force in the Haptic Rendering of Virtual Environments. Proceedings of Eurohaptics 2008, LNCS 5024, Springer-Verlag, pp. 349354, 2008,c Springer-Verlag Berlin Heidelberg 2008. Poster Presentation, Madrid.

Hovis JK, Repeatability of the Holmes-Wright-A Lantern. Aviat Space Environ Med 2008;79:174 Poster Presented at the Annual Meeting of Aerospace Medical Association Boston, 2008.

Smolek MK, Hovis JK. Comparison of traditional scoring with neural network analysis of Farnsworth Munsell 100 hue data. Poster presented at the Annual meeting of the Association in Vision Research and Ophthalmology. Fort Lauderdale, 2007 Poster # (3812/B550).

Chou BR, Suwala, M, Hovis JK. Effect Of Nike Maxsight Contact Lenses On Traffic Signal Visibility. Paper Presented at the American Academy of Optometry Annual Meeting. Optom Vis Sci 2006; 83: E-abstract 060020.

Hovis JK. Chou BR. Laboratory Studies Of Constant And Variable Thickness Visors. Poster Presented at the American Academy of Optometry Annual Meeting. Optom Vis Sci 2006; 83: E-abstract 065425

Hovis, JK. Aids for Color Vision Deficiencies: What's old is new. Paper presented at Aerospace Medical Society's Annual Meeting, Orlando FL. May 2006. Aviat Space Environ Med. 2006;77:301

Ramaswamy S, Hovis J. Case control: low light level acuity and contrast sensitivity of LASIK subjects. Poster presented at the Poster Presented at the American Academy of Optometry Meeting. Dec 2005. *Optom Vis Sci* 2005;82:E-abstract 055086.

Hovis J, Casson E, Delpero WT. A survey of signal light guns in Canada. Poster presented at the Annual Scientific Meeting of the Aerospace Medical Association, Kansas City, MO. May 2005. *Aviat Space Environ Med* 2005;76(3):252.

Hovis J, Casson E, Delpero WT. An introduction to color perception. Invited presentation. at the Annual Scientific Meeting of the Aerospace Medical Association, Kansas City, MO. May 2005. *Aviat Space Environ Med* 2005;76(3):276-7.

Ramaswamy S, Hovis, J. Visual Characteristics of Police Recruits in Ontario. Poster presented at the Annual Meeting of the Association in Vision Research and Ophthalmology. Fort Lauderdale, 2005 Poster # (4331/B689).

#### *Invited Addresses at Conferences*

Hovis, JK. The Consumer Experience-A clinical perspective of the safety concerns in 3D displays. Invited Talk. Ontario Centres of Excellence Discovery 11. Toronto May 2011.

Hovis JK. Color Vision Testing in the Clinic: Don't ask –Don't tell? Invited talk presented at the UiTM Optometry Seminar: Optometry & Industry. UiTM Puncak Alam, Selangor April 19, 2011

Hovis JK. Vision standards: The Politics of Science. Presented at the First Annual National Conference of Malaysian Optometry Students, Puncak Alam, May 2010.

#### **PROFESSIONAL ACTIVITIES**

Fellow in the American Academy of Optometry  
Member of the Canadian Optometric Association  
Member of the International Color Vision Society  
Member of Association for Research in Vision and Ophthalmology  
Associate Fellow of the Aerospace Medical Association