

J. Graham Strong – Publications

(Last updated August 2009)

a) Selected Journal Articles

Dalby DM, Hirdes JP, Stolee P, **Strong JG**, Poss J, Tjam TY, Bowman L, and Ashworth M^δ (2009) Characteristics of individuals with congenital and acquired deaf-blindness. *Journal of Visual Impairment and Blindness* 103(2): 93-102.

Jutai JW, **Strong JG**, Russell-Minda E (2009) Effectiveness of Assistive Technologies for Low Vision Rehabilitation: A Systematic Review. *Journal of Visual Impairment and Blindness* 103(4):210-222.

Dalby DM, Hirdes JP, Stolee P, **Strong JG**, Poss J, Bowman L, and Ashworth M^δ (2009) Development and Psychometric Properties of a Standardized Assessment for Adults Who Are Deaf-Blind. *Journal of Visual Impairment and Blindness* 103(1):7-16.

Huber JG, Jutai JW, **Strong JG**, Plotkin AD (2008) Psychosocial Impact of Closed-Circuit Television (CCTV) Devices in Age-Related Macular Degeneration. *Journal of Visual Impairment and Blindness* 108(11):690-701.

Strong JG, Jutai JW, Russell-Minda E, and Evans M. (2008). Driving and low vision: Validity of assessments for predicting driver performance. *Journal of Visual Impairment and Blindness* 102(6):340-351.

Strong JG, Jutai JW, Russell-Minda E, and Evans M. (2008). Driving and low vision: An evidence-based review of rehabilitation. *Journal of Visual Impairment and Blindness*. 102(7):410-419.

Hooper PL, Jutai JW, **Strong JG**, and Russell-Minda E. (2008) Age-related macular degeneration and low vision rehabilitation: a systematic review. *Canadian Journal of Ophthalmology*, 43, 2, 180-187.

Wittich W, **Strong G**, Renaud J, and Southall K. (2007) How to make Low Vision “sexy”: A starting point for interdisciplinary student recruitment, *Re:View*, 38(4):157-163.

Hildebrand JM, Stolee P, McKillop I, Jones DA and **Strong JG**. (2007) Senior optometry student’s experiences with Information Technology in Optometric practice. *Journal of Optometric Education*. 33(1):19-23.

Russell-Minda E, Jutai JW, **Strong JG**, Campbell KA, Gold D, Pretty L, Wilmot. (2007, accepted for publication). Typeface Legibility for Readers with Low Vision: A Synthesis of the Research Evidence. *Journal of Visual Impairment and Blindness*. 101(7), 402-415.

Jutai, J., **Strong, G.**, Ariizumi, H., & Plotkin, A. (2005). Feasibility of dynamic modeling of outcomes for low vision devices. *International Congress Series* 1282 (2005):162–166.

Strong, G., Jutai, J.W., Bevers, P., Hartley, M., & Plotkin, A. (2004) The psychosocial impact of closed circuit television (CCTV) low vision aids. *Visual Impairment Research*, 5(3):179–190.

Jutai, J., Day, H., Woolrich, W., & **Strong, G.** (2003) The predictability of retention and discontinuation of contact lenses. *Optometry* 74(5) 299-308.

Strong JG. (2002) George Woo: A profile. *Clinical and Experimental Optometry* 85: 6: 392–396.

Day H, Jutai J, Woolrich W, & **Strong G.** (2001) The stability of impact of assistive devices. *Disability & Rehabilitation* 23(9) 400-404.

Elliott, DB, **Strong, JG**, Trukolo-Ilic, M, Pace, R, Plotkin, A, and Bevers, P. (1998) Comparison of low vision clinic data with low vision survey and blindness registration information. *Optometry and Vision Science*, 75, 272-278.

Elliott DB, **Strong JG.** Predicted optometric patient changes in the 21st century: the increasing elderly and low vision population. *Practical Optometry* 9:6 (222-227) December 1998.

Elliott DB, **Strong JG**, Trukolo-Ilic M, Pace R, Plotkin A, and Bevers P. (1997) A comparison of low vision clinic data with low vision survey and blindness registration information. *Investigative Ophthalmology and Visual Sciences (IOVS):* 75: 272-278.

Elliott DB, Trukolo-Ilic M, **Strong JG**, Pace R, Plotkin A, and Bevers P. (1997) Demographic characteristics of the vision-disabled elderly. *Investigative Ophthalmology and Visual Sciences (IOVS):* 38(12) 2566-2575.

b) Selected Invited Lectures

Strong JG (2009) Portable Video Devices for Distance, Intermediate, and Near Activities at meeting of the Assistive Devices Program (ADP) Sensory Standing Committee. Toronto Canada. (June 24, 2009).

Strong JG (2009) Device-assisted vision rehabilitation for people with Acquired Brain Injury (ABI) at Moving Forward: Trends in Treatment – the 12th Annual Brain Injury Conference, Brain Injury Association of London & Region. London Canada June 19, 2009.

Strong JG (2009) Forensic Optometry. Waterloo Unlimited: Knowledge Integration Seminar. University of Waterloo. Waterloo, Canada May 12, 2009.

Strong JG (2007) Optometric co-management of partially cured ophthalmic patients. 18th annual Dr. Clair Bobier Lecture in Vision. University of Waterloo. Waterloo Ontario. June 8, 2007.

Strong JG (2006) Video-based assistive technology for people with low vision. The Power of IDEAS (Innovative Design and Delivery Engenders Access and Academic Success). University of Waterloo, Waterloo Ontario (August 15, 2006).

Strong JG (2006) Video-mediated reality: A versatile intervention strategy for people with low vision (Réalité arbitrée de vidéo : Une stratégie d'intervention universelle pour les gens avec la vision basse) at Réadaptation: évaluations et innovations - 9th Scientific Symposium on Visual Impairment & Rehabilitation. Université de Montréal (February 15, 2006)

Strong JG (2004) The Assessment and Rehabilitation of Post-Traumatic Vision Problems at Brain Injury Association of Niagara Conference in Thorold, Canada (October 21, 2004)

Strong JG (2004) New video-based assistive technologies for low vision, Fall Vision Meeting, University of Rochester, Rochester (October 15-17, 2004).

Strong JG (2004) Video-mediated reality: the new dimension for vision rehabilitation technology. International Vision Rehabilitation Symposium. The Hong Kong Polytechnic University, Hong Kong, China (May 28, 2004)

Strong JG. - E. A. Baker Foundation Invited Lecture - New Sight Enhancement Technologies for Low Vision Rehabilitation at the 28th Biennial Congress of the Canadian Association of Optometrists (July 25, 2003).

Strong JG. Plotkin AD. Video-Based Low Vision Technologies Assistive Technology Applications and Integration Conference Nova Scotia Community College. Bridgewater Nova Scotia, April 3-5, 2003.

Strong JG. The latest developments in low vision technology. Vision Quest 2002; Focus on the Family. The Foundation Fighting Blindness Conference. Richmond Hill Canada. November 8-9, 2002.

Strong JG, Plotkin AD (2000) New and emerging device interventions for low vision. Vision Quest 2000: 11th World Congress of Retina International. Toronto Canada, July 14 -16, 2000.

Strong JG (2000) Low vision: prospects for the millennium. Vision Quest 2000: 11th World Congress of Retina International. Toronto, Canada July 14 -16, 2000.

Strong JG. The escalating need for low vision services for the elderly population. National Consultation on the Crisis in Vision Loss. CNIB Toronto Ontario (October 2, 1998).

Strong JG. "Prodigious products for the pig in the python" Fourth Annual Science/Technology - Business/Law Partnership Conference. University of Waterloo. Waterloo, Ontario (February 6, 1998).

Plotkin AD and **Strong JG**. Low vision devices for people with RP, at Second Annual Conference on Living with RP and Related Retinal Disorders, Toronto, Ontario (November 2, 1996).

Strong JG. Managed rehabilitation care in Ontario, Canada, at Johns Hopkins "Symposium on Low Vision Rehabilitation" Health Care Policy and Service Delivery Issues, The Johns Hopkins Wilmer Eye Institute, Baltimore, Maryland (September 27-28, 1996)

Strong JG. Optometric forensics. Canadian Optics `94 (Ontario Opticians Association Conference). Mississauga, Ontario. (June 3, 1994).

Strong JG. Years of research to share: Functional limitations and their social consequences: Report and outlook. International Scientific Colloquium. Office des personnes handicapées du Québec. Montreal, Quebec. (November 18 - 20, 1992).

Strong JG. Computer use by people who are visually impaired. IBM Invited Lecture Series: "Access to Technology" Toronto, Ontario. (1991).

Strong JG. Low vision assessment protocols: theoretical and practical evaluation procedures. Rehab-Ex '90, Assistive Devices Program Workshop. Toronto, Ontario. (October, 1990).

Strong JG. Holistic approaches to assessment: clinical aspects. Kaleyedoscope '89, Seventh Canadian Interdisciplinary Conference on the Visually Impaired Child, (DH Warren, Moderator), Toronto, Ontario. (November 12-15, 1989).

Strong JG. Sight enhancement technology: keeping the cart behind the horse. in "Technology for Everyone" Conference. Chatham, Ontario. (October 10 - 13, 1989).

Strong JG. A comprehensive low vision service delivery model for prescribing high technology sight enhancement systems. in Technical Aids '89 Conference. Oshawa, Ontario. (February 24, 1989).

Strong JG. Hindsight, foresight and low vision. American Optometric Student Association 19th Annual Conference Toronto, Ontario. (January 4 - 7, 1989).

Strong JG. Multidisciplinary rehabilitation: No pieces missing but some assembly required. Community for Everyone Conference. Kitchener, Ontario. (November 17 - 19, 1988).

c) Book Chapter

Strong, JG. Ontario Assistive Devices Program: A Managed Low Vision Care Network, in *Vision Loss Rehabilitation: Service Delivery, Policy and Funding* edited by Massof and Lidoff ed. AFB Press 2001

d) Selected Conference Presentations

Dalby DM, Hirdes JP, **Strong G**, Stolee P, Poss J, Tjam EY. Assessing persons with dual sensory impairment: Reliability of a new module for the interRAI Community Health Assessment. Poster presented at the Canadian RAI Conference, Halifax, NS. June 22-24, 2009.

Babu RJ, **Strong JG**, Leat SJ, Irving EL (2009) The Effect of Age and a Pop Out Distracter on the Attended Field of View (AFOV) With Divided Attention Association for Research in Vision and Ophthalmology (ARVO) 2009 Annual Meeting May 05, 2009.

Hernandez-Luna CP, Babu R, **Strong JG**, Irving EL (2009) New Attended Field of View (AFOV) test Association for Research in Vision and Ophthalmology (ARVO) 2009 Annual Meeting May 06, 2009.

Strong JG and Bevers D (2009) Portable Video Devices for Distance, Intermediate, and Near Activities. CSUN International Technology and Persons with Disabilities Conference Los Angeles USA. March 20, 2009.

Strong JG (2009) The Derivation of NAC Standards for Blindness Prevention Services.

Pennsylvania Association for the Blind. Harrisburg, PA January 15, 2009.

Strong JG (2008) The Derivation of NAC Standards for Blindness Prevention Services at National Accreditation Council Board of Directors Semi-Annual Meeting. Orlando, Florida December 5, 2008.

Strong JG (2008) CARF and NAC Standards at National Accreditation Council Board of Directors Semi-Annual Meeting. Orlando, Florida December 5, 2008.

Strong JG (2008) New and emerging low vision technologies in "Vision Care for Older Adults" at Association for the Education and Rehabilitation of the Blind and Visually Impaired AER International conference. Chicago. July 22 - 27, 2008

Jutai JW, **Strong JG**, Hooper P, Russell-Minda E. (2008). Effectiveness of assistive devices in low vision rehabilitation. Vision 2008: The 9th International Conference on Low Vision, Montreal, July 7-11, 2008.

Russell-Minda E, **Strong JG**, Jutai JW, Hooper P. (2008). Low vision and driving: An evidence-based review of assessment and rehabilitation. Vision 2008: The 9th International Conference on Low Vision, Montreal, July 7-11, 2008.

Russell-Minda E, **Strong JG**, Jutai JW, Hooper P. (2008). Age-related macular degeneration and low vision rehabilitation: A systematic review. Vision 2008: The 9th International Conference on Low Vision, Montreal, July 7-11, 2008.

Plotkin AD, **Strong G**, Bevers P, Jutai JW. (2008). Using a competitive enablement approach to low vision assessments in order to properly anticipate the divergent options available in video-based devices. Vision 2008: The 9th International Conference on Low Vision, Montreal, July 7-11, 2008.

Strong G, Jutai J, Plotkin A, Bevers P (2008) Competitive enablement: A consumer-oriented approach to device selection in device-assisted vision rehabilitation. (Ed.) Mann WC. *Ageing, Disability and Independence: Selected Papers from the 4th International Conference on Ageing, Disability and Independence (2008)*. University of Florida. pp175-195.

Huber J, **Strong G**, Jutai J, Plotkin A, Ariizumi H. Technology-Assisted Low Vision Rehabilitation and Independence in Age-Related Macular Degeneration. International Conference on Ageing, Disability and Independence (ICADI), St. Petersburg, FL. February 21-23, 2008.

Strong G and Jutai JW (2008) Competitive Enablement: Rational consumer empowerment in the vision device selection process. Best Practices Day 2008: Using Research Evidence; Advancing Rehabilitation Practice. Toronto, Canada. February 29, 2008.

Russell-Minda, E, Jutai, J.W. **Strong, G.**, & Hooper, P. Effectiveness of Assistive Technologies for Low Vision and Blindness. GTA Rehabilitation Network Best Practices Day 2008: Using Research Evidence; Advancing Rehabilitation Practice, Toronto, Ontario. February 29, 2008

Russell-Minda, E., Jutai, J.W., **Strong, G.**, & Hooper, P. Low vision and driving: A Systematic Review of Assessment and Rehabilitation. GTA Rehabilitation Network Best

Practices Day 2008: Using Research Evidence; Advancing Rehabilitation Practice, Toronto, Ontario. February 29, 2008.

Huber J, **Strong G**, Jutai J, Plotkin A, Ariizumi H. Outcomes of a low vision rehabilitation assessment. ARGC FHS Symposium 2008 Bridging Partnerships in Aging and Rehabilitation Research, London, ON, February 8, 2008.

Ariizumi H, Jutai J, **Strong JG**, Plotkin A. (2007). Determinants of assistive device usages in low vision rehabilitation. Canadian Economics Association, Halifax, June 1-3.

Strong G, Jutai JW, Hooper P, Russell-Minda E. Effectiveness of Low Vision Rehabilitation. The Aging Eye, ARVO Annual Meeting, May 6-10 2007 Ft. Lauderdale, Florida.

Huber J, Jutai JW, **Strong G**, Ariizumi H, Plotkin A Self-reported Visual Function and Quality of Life Following the Adoption of a Closed Circuit Television (CCTV) Device for Low Vision. The Aging Eye, ARVO Annual Meeting, May 6-10 2007 Ft. Lauderdale, Florida.

Dalby DM; Hirdes JP; Poss J; Stolee P; **Strong JG**; Tjam E (2007) Standardized Assessment of Deafblind Individuals Based on the interRAI Community Health Assessment at Canadian RAI Conference 2007. Wednesday, May 2, 2007.

Stolee P, Hirdes JP, **Strong JG**, Poss J, Hildebrand J, Ma S, Cook RJ, Finne-Soveri H(2007) Visual Impairment in Community Dwelling Seniors Receiving Home Care at Canadian RAI Conference 2007. Wednesday, May 2 and 3, 2007.

Jutai J, **Strong G**. (2007). The evidence for the effectiveness of low vision assistive technology. Center on Disabilities at California State University, Northridge Sixteenth Annual International Conference, "Technology and Persons with Disabilities", Los Angeles, March 19-24, 2007.

Strong JG, Bevers P, Plotkin A, Labreche T, (2006) CCTV Prescribing Profiles: What is Important When Funding is Not an Issue? At Envision 06: Multi-Disciplinary Vision Rehabilitation and Research Conference. Kansas City MO. September 21 - 24, 2006.

Strong JG, Many Guns, L, Rivard R. (2006) Culturally Relevant Visual Acuity Charts for Aboriginal Canadians. At Envision 06: Multi-Disciplinary Vision Rehabilitation and Research Conference. Kansas City MO. September 21 - 24, 2006.

Huber J, **Strong JG**, Jutai, J, Plotkin A, Ariizumi, H, Taji, R (2006) Changes in Perceived Psychosocial Status over a Six Month Period Following the Adoption of a Closed Circuit Television (CCTV) Device for Low Vision. At Envision 06: Multi-Disciplinary Vision Rehabilitation and Research Conference. Kansas City MO. September 21 - 24, 2006.

Wittich W, **Strong JG**, Renaud J (2006) How to Make Low Vision "Sexy": A Starting Point for

Interdisciplinary Student Recruitment. At Envision 06: Multi-Disciplinary Vision Rehabilitation and Research Conference. Kansas City MO. September 21 - 24, 2006.

Labreche T, **Strong JG**, Bevers P, Ogilve D, Plotkin (2006) A The Changing Device Needs of the Elderly Low Vision Patient. At Envision 06: Multi-Disciplinary Vision Rehabilitation and Research Conference. Kansas City MO. September 21 - 24, 2006.

Campbell, K.A., Cutler, F., McDonald, R., Putt, C., Rewak, M., **Strong, G.**, & Whitton, H. (2006, August). What typeface is preferred by people with macular degeneration? Poster accepted for annual convention of the American Psychological Association, New Orleans, LA.

Jutai JJ, Hooper P, **Strong JG**, Russell-Minda E. (2006) Vision Rehabilitation Evidence-Based Review (VREBR). Annual Meeting of the Canadian Ophthalmological Society (COS), Toronto June 21 -24, 2006.

Strong G, Huber J, Taji R, Jutai J, Plotkin A, Ariizumi H. (2006) The Relationship Between Measures Of Visual Function And Assistive Device Impact Related To Quality Of Life. Association for Research in Vision and Ophthalmology (ARVO), Fort Lauderdale, FL. Apr 30-May 4, 2006.

Jutai JW, Hooper P, **Strong JG** Russell-Minda E. (2005) Definition of low vision: Implications for epidemiology and evaluation of rehabilitation effectiveness. Annual Meeting of the American Public Health Association. Philadelphia PA. December 14, 2005.

Bevers D and **Strong JG** (2005) New assistive technology for people with low vision (WatCam and Sci-Plus 300). Atlantic Provinces Special Education Authority Conference. Halifax, Nova Scotia. (May 12-14, 2005).

Wittich W, **Strong JG**, Renaud J (2006) How to Make Low Vision "Sexy": **A Qualitative Investigation**. At Envision 2006 AER International Conference. Snowbird, Utah. April 14-19, 2006.

Jutai, J., **Strong, G.**, Ariizumi, H., & Plotkin, A. (2005). Feasibility of dynamic modeling of outcomes for low vision devices. Vision2005, London UK, April 3-8.

Strong, G., Jutai, J.W., Bevers, P., Hartley, M & Plotkin, A. Psychosocial Impact of Closed-Circuit Television (CCTV) Low Vision Aids Conference, "Functional Vision: Assessment and Outcome" West Virginia University Eye Institute Morgantown, West Virginia, May 30-31, 2003.

Strong JG. Video-Based Low Vision Technologies Assistive Technology Applications and Integration Conference Nova Scotia Community College. Bridgewater Nova Scotia, April 3-5, 2003.

Bevers, P, **Strong, JG**, Plotkin, AD and Johnston, D. Sustained use and retention of CCTV's in a unique government-funded lease program. AER International Conference. Toronto, Canada. July 17 - 20, 2002.

Stief E, Bevers, P, **Strong, JG**, and Plotkin, AD. Benefits of a Low Vision Loan Program to Both Patients and Clinic. AER International Conference. Toronto, Canada. July 17 - 20, 2002.

Strong JG and Plotkin AD. Assessing clients with the VisAble Videotelescope (VVT). The 7th International Conference on Low Vision. Göteborg, Sweden. July 21-25 2002.

Gresset JA, Rondeau P, **Strong JG**, Simonet PM, Plotkin AD, Couturier. Differences of utilization of rehabilitation services among Canadian provinces: the Ontario-Quebec figures. The 7th International Conference on Low Vision. Göteborg, Sweden. July 21-25 2002.

Strong JG, Plotkin AD (2000) New and emerging device interventions for low vision. Vision Quest 2000: 11th World Congress of Retina International. Toronto Canada, July 14-16, 2000. Strong JG (2000) Low vision: prospects for the millennium. Vision Quest 2000: 11th World Congress of Retina International. Toronto, Canada July 14-16, 2000.

McLean J, **Strong JG**, Dilts D, Snook-Hill MM. Profile of orientation and mobility (O&M) disability for older persons with different levels of low vision. In Vision '99: Vision Rehabilitation for the 21st Century (International Conference on Low Vision). New York, New York. July 12-16, 1999.

McLean, JG, **Strong, JG**, Dilts, D, Snook-Hill, MM. An Examination Of The Orientation And Mobility (O&M) and Quality Of Life Issues For Older Persons With Low Vision. Invest. Ophthalmol. Vis. Sci. Suppl. 40:4. p.S432. Ft. Lauderdale, Florida, May 1999, sponsored by the Association for Research in Vision and Ophthalmology (ARVO).

Day H, Jutai J, **Strong JG**. Visual aid retention and abandonment. In Vision '99: Vision Rehabilitation for the 21st Century (International Conference on Low Vision). New York, New York. July 12-16, 1999.

Day H, Jutai J, Woolrich W and **Strong G**. (1999) The stability of impact of assistive devices. In: RESNA'99, June 25-29, pp. 201-203

Day H, Jutai J, Woolrich W and **Strong G**. (1999) Visual aid retention and abandonment. In: RESNA'99, June 25-29, p. 5.

e) Selected Technical Reports and Manuals

Hirdes, J. P., Dalby, D. M., Curtin-Telegdi, N., Poss, J. W., Stolee, P., **Strong, G.** et al. (2007). interRAI Deafblind Supplement to CHA: Guide for use of the interRAI Deafblind Supplement Assessment Form (Canadian Version 9). Washington, DC: interRAI.

Jutai, J., Hooper, P., **Strong, G.**, Russell-Minda, E., Cooper, L., Hutnik C., Sheidow T., Tingey, D. (2007). *Vision rehabilitation evidence-based review: Module 1: Terminology, demography, and epidemiology of low vision*. Unpublished manuscript, The University of Western Ontario, The Lawson Health Research Institute, and CNIB.

Strong, G., Jutai, J., Hooper, P., Evans, M., Russell-Minda, E. (2007). *Vision rehabilitation evidence-based review: Low vision and driving*. Unpublished manuscript, The University of Western Ontario, The Lawson Health Research Institute, and CNIB.

Hooper, P., Jutai, J., **Strong, G.**, Russell-Minda, E. (2007). *Vision rehabilitation evidence-based review: Low vision secondary to age-related macular degeneration*. Unpublished manuscript, The University of Western Ontario, The Lawson Health Research Institute, and CNIB.

Jutai, J., **Strong, G.**, Russell-Minda, E. (2006). *Vision rehabilitation evidence-based review: Assistive technologies for low vision and blindness*. Unpublished manuscript, The University of Western Ontario, The Lawson Health Research Institute, and CNIB.

CNIB Research. (2006). *Clear print: An evidence-based review of the research on typeface legibility for readers with low vision*. Toronto, Ontario, Canada: Russell-Minda, E., Jutai, J., **Strong, G.**, Campbell K., Gold, D., Pretty, L., Wilmot, L.