

CURRICULUM VITAE

Name: Laurence Roy Harris
Nationality: British and Canadian
Date of Birth: 17 May 1953

DEGREES

1974 BA Honours (Natural Sciences), Magdalene College, University of Cambridge
1978 MA Honours Magdalene College, University of Cambridge
1978 PhD Magdalene College, University of Cambridge (Thesis Advisor: Dr C Blakemore)

POSTS HELD

1974-1978 Medical Research Council (MRC) scholar.
Departments of Psychology and Physiology, University of Cambridge
1976-1978 Secretary of the Kenneth Craik Club (Cambridge)
1978-1980 Post Doctoral Research Fellow, Department of Psychology,
Dalhousie University, Halifax, Nova Scotia, Canada (with Dr M Cynader)
1980-1983 Addison Wheeler Post-doctoral Research Fellow, Department of Psychology,
University of Durham, England
1983-1989 University Lecturer (tenured), Department of Physiology,
University of Wales College of Cardiff, UK
1990-1995 Associate Professor (tenured), Department of Psychology,
York University, Toronto, Ontario, Canada
1996- Professor (tenured), Department of Psychology,
York University, Toronto, Ontario, Canada
1999- 2003 Associate Director of the Centre for Vision Research at York University
2006- 2009 Chair of Psychology Department, York University
2011- Director, Centre for Vision Research, York University
2012- Editor-in-chief of Multisensory Research (Brill)
2017- York Research Chair (Tier I) in Multisensory Integration

AWARDS

2005 Recipient of the Dean's award for Excellence in Research
2009 Recipient of the Dean's award for Excellence in Administration
2009 Fellow of the Canadian Psychological Association
2013 Research Leadership Recognition Award, York University
2013 Faculty of Graduate Studies award: Best Graduate Supervision, York University
2014 President's Research Excellence Award, York University (\$10,000)

VISITING FELLOWSHIPS AND CONSULTANCIES

1980 Visiting Fellow at Max Planck Institut, Munich, Germany
1983 Visiting Fellow at Max Planck Institut, Tübingen, Germany
1983 Consultant for the RAF at Institute of Aviation Medicine, Farnborough
1985 Visiting Professor at University of Calgary, Alberta, Canada
1987 Visiting Fellow at the Free University of Berlin, Germany
1989 Visiting Lecturer on Otology and Laryngology, Harvard University
1999 Visiting Professor at Tübingen University, Germany
1999 Expert witness in driving accident case
2001 Visiting Professor at Tübingen University, Germany
2012 Visiting Professor at Oxford University, UK

 2014 Visiting Professor at Tohoku Gakuin University, Japan

GRANTS AND SPONSORS
(\$ are Canadian unless otherwise specified)

| | | |
|-----------|--|--|
| 1978 | Wellcome Travel Grant | £ 500 |
| 1980-1983 | Addisson Wheeler Fellowship, University of Durham | £ 10,000 |
| 1983 | Set-up money from Physiology, Cardiff | £ 20,000 |
| 1984-1986 | Nuffield Foundation Award for New Science Lecturers | £ 3,962 |
| 1985 | Royal Society Travel Grant | £ 600 |
| 1986-1989 | MRC (UK) Grant number: G8601355N <i>Interactions between otoliths, vision and semicircular canals in the vestibular nuclei</i> | £ 68,675 |
| 1987 | British Council Travel Grant | £ 130 |
| 1988 | Wellcome Trust Prize Studentship <i>An investigation of the interactions between the visual, vestibular and eye movement systems in the encoding of object motion by the brain. (Co-PI's: LR Harris and AT Smith)</i> | £ 23,400 |
| 1989-1991 | NASA Grant No: NCC 2-602 <i>Modification of the response to yaw axis linear acceleration in humans (PI: C Wall; Co-I: LR Harris)</i> | US\$ 45,000 |
| 1989 | Renewal of MRC (UK) grant No. G8601355N | £ 10,460 |
| <hr/> | | |
| 1990 | Set-up money from York University | \$ 20,000 |
| 1990-1993 | NSERC (Canada) Grant No. OGP0046271 <i>The detection of conflict in visual-vestibular interactions</i> | \$ 90,000 ((\$30,000 pa for 3 years) |
| 1991 | NATO Grant No: CRG 910076 <i>Perceptual and reflex systems used to distinguish motion detection mechanisms. (co-PI's: LR Harris and AT Smith)</i> | Belgian Fr 125,000 |
| 1993-1997 | NSERC (Canada) renewal of Grant No. OGP0046271 <i>The detection of conflict in visual-vestibular interactions</i> | \$ 112,000 ((\$28,000 p.a. for 4 years) |
| 1993-1994 | York Leave Fellowship <i>The role of the nodulus</i> | |
| 1993 | NATO renewal of Grant No: CRG 910076 <i>Perceptual and reflex systems used to distinguish motion detection mechanisms. (co-PI's: LR Harris and AT Smith)</i> | |

| | | |
|-----------|--|--|
| 1993-1996 | ISTS (Institute for Space and Terrestrial Science, Ontario) <i>The processing of visual and vestibular information</i> (co-PI's: LR Harris and K Grasse) | \$186,000 (\$62,000 p.a. for 3 years) |
| 1995 | President's NSERC fund, York University <i>The detection of conflict in visual-vestibular interactions.</i> | \$2,700 |
| 1995-1996 | PRECARN feasibility study <i>The use of visual and vestibular information to enhance the sensation of motion in immersive environments</i> (with M Jenkin, Aastra Aerospace and ISTS) | \$35,000 |
| 1995-1998 | NSERC (Canada) (Collaborative Grant No: CPG0181883) <i>Using self motion information in telepresence and robotic control</i> (PI: L Harris; Co-PI: M Jenkin) | \$192,000 (95-96: \$68,000/96-7: \$68,000/97-98: \$56,000 p.a. for 3 years) |
| 1997-1998 | ISTS (Institute for Space and Terrestrial Science, Ontario) <i>The processing of visual and vestibular information</i> (co-PI's: LR Harris and K Grasse) | \$60,000 (\$30,00 p.a. for 2 years) |
| 1997-2001 | Operating Grant (NSERC) Renewal of OGP0046271 <i>Sensory processing during self movement</i> (PI) | \$ 127,890 (1997/8: \$29,000; 1998/99: \$31,900; 1999/2000: \$33,495; 2000/1: \$33,495) |
| 1998-1999 | Centre for Research in Earth and Space Technology (CRESTech) <i>Performance in Virtual Environments</i> (PI with M. Jenkin and K. Grasse) Part of <i>Human Performance in an Aerospace Environment</i> Theme for which the total budget is Cdn \$456,000 | \$90,000 |
| 1999-2000 | Centre for Research in Earth and Space Technology (CRESTech) <i>Performance in Virtual Environments</i> (PI with M. Jenkin) Part of <i>Human Performance in an Aerospace Environment</i> Theme for which the total budget is Cdn \$500,000 | \$60,000 |
| 1999-2002 | Ontario Research and Development Challenge Fund (ORDCF) <i>Improvements to the Centre for Vision Research (CVR) at York University</i> (I am the PI on this grant) | \$228,000 (over 3 years) |

(September 10, 2019)

Laurence R Harris

| | | |
|-----------|--|--|
| 1999-2002 | Canadian Foundation for Innovation (CFI) with ORDCF matching funds: & Industry (SGI): & York: Total: | \$2,325,600 \$2,325,600 \$1,156,466 \$66,392 \$5,874,058 |
| | <i>Active Sensory Processing in Real and Synthetic Environments In collaboration with and on behalf of the Centre for Vision Research at York University (I am the PI on this grant)</i> | |
| 2000-2001 | Centre for Research in Earth and Space Technology (CRESTech) <i>Visual and non-visual cues immersive displays. (PI)</i> Part of Human Performance in an Aerospace Environment Theme for which the total budget is Cdn \$528,000 p.a | \$68,000 |
| 2000-2002 | Major Facilities Award (MFA; NSERC) <i>Personnel support for York's Centre for Vision Research (Co-I with Michael Jenkin as PI)</i> | \$234,000 pa |
| 2000 | Centre for Research in Earth and Space Technology (CRESTech) Project Opportunities Fund <i>Oscillopsia under zero G obtained by parabolic flight in an NRC Falcon.</i> | \$20,000 |
| 2001-2004 | National Space Biomedical Research Institute (NSBRI) USA <i>Visual Orientation and Spatial Memory: Mechanisms and Countermeasures. (Co-I with Ian Howard (PI), Wolfgang Stuerzlinger, Michael Jenkin)</i> | US \$300,000 over 3 years |
| 2001-2002 | Communications and Information Technology Ontario (CITO) <i>Immersive and Interactive Display Technology for Virtual Museums (Co-I with J. Tsotsos(PI), M. Jenkin, W. Stuerzlinger, J. Elder)</i> | \$87,500 |
| 2001-2004 | Natural Sciences and Engineering Research Council (NSERC) <i>Sensory representation of space (PI)</i> | \$142,000 over 4 years |
| 2001-2002 | Centre for Research in Earth and Space Technology (CRESTech) <i>Visual and non-visual cues immersive displays (PI).</i> | \$70,000 |
| 2002-2006 | Canadian Space Agency (CSA) <i>How gravity affects perception (PI with M Jenkin as Co-I)</i> CSA Contract 9F007-2-0212 | Cdn \$315,256 (over four years) |
| 2001-2002 | Centre for Research in Earth and Space Technology (CRESTech) | \$20,000 |

*A pilot study on the levitation illusion, microgravity and vestibular stimulation: how do they affect our perception of shape from shading?.
(Co-I with M Jenkin as PI).*

| | | |
|-----------|--|---------------------------------|
| 2002-5 | Centre for Research in Earth and Space Technology (CRESTech) <i>The influence of galvanic stimulation of the vestibular system on the perception of up in large-field immersive environments(Co-I with M Jenkin as PI).</i> | \$169,104 |
| 2002 | Defence and Civil Institute of Environmental Medicine (DCIEM) <i>Optimal cues for comfort and performance in a virtual reality aircraft (PI).</i> | \$29,000 |
| 2003-7 | Canadian Space Agency (CSA) <i>How gravity affects perception: microgravity experiments (PI with M Jenkin as Co-I) 9F007-3-3002</i> | Cdn \$200,000 (over four years) |
| 2003 | Natural Science and Engineering Research Council (NSERC) (Equipment grant) <i>Virtual reality computer cluster (Co-I with M. Jenkin as PI)</i> | \$75,944 |
| 2004-7 | National Space Biomedical Research Institute (NSBRI) US <i>Visual Orientation, Navigation, and Spatial Memory Countermeasures (Canadian PI; Chuck Oman is the US PI)</i> | US \$428,185 over 3 years |
| 2005-2011 | CSA/NASA 9F007-052821 <i>The effect of long term weightlessness on perception Experiments on the International Space Station.</i> | Cdn \$350,000 Cdn \$78,000 |
| 2005-9 | NSERC (46271-2005) <i>The perception of multisensory space</i> | Cdn \$33,000pa. |
| 2009/12 | Humboldt Foundation <i>Self-motion perception in immersive environments (Co-I, PI= Michael Jenkin, Co-I=Rainer Herpers, Bonn-Rhein-Sieg University, Germany)</i> | Euro 32,000 over 3yrs |
| 2007-2013 | CSA/ESA <i>The effect of bed rest on sensory weightings</i> | Cdn \$91,222 |
| 2010/2015 | NSERC (46271-2010) <i>Multisensory coding of body and space</i> | Cdn \$250,000 |

| | | |
|-----------|---|--|
| 2010/2013 | CANADIAN SPACE AGENCY (CSA) <i>Bodies in the Space Environment (BISE) data analysis</i> Space Sciences Enhancement Program (SSEP) | Cdn \$198,000 |
| 2011/2015 | NSERC CREATE in Vision Science and Applications PI Hugh Wilson, I am a co-I (with 9 others) | \$1,650,000 |
| 2014/2017 | European Commission: 7 th Framework Program <i>Exploring Neuroscience Space Data (EXSPAND)</i> (Grant over 6 sites in Canada, France, Belgium, Italy and Germany) (PI Joe McIntyre, I am a co-I) | PENDING € 334,026 (York) € 2,560,589 (total) |
| 2013/2018 | CFI <i>Full field vision and orientation</i> (I am PI, 9 co-I's) | \$1,977,227.50 Project # 30859 CFI \$790,891 ORF (Ontario) \$790,891 |
| 2013/2019 | NSERC CREATE in <i>The Brain in Action</i> PI J.Doug Crawford, (I am a co-I) In collaboration with a German grant (DFG, awarded Nov 2012) this will form an International Research Training Group (IRTG). | \$1,650,000 |
| 2013 | Human Stroke Foundation Catalyst Stimulus Grant CAPCR-ID: 13-6310 <i>Perception of egocentric vertical among stroke survivors with and without 'pushing'</i> I am a co-I on this grant (PI Avril Mansfield, Toronto Rehab, with co-I's Jenny Campos and Babak Taati, and study coordinator Lana Knorr) | \$69,067 |
| 2013 | NSERC RTI Eye and Head Tracking during tactile stimulation | \$33,792 |
| 2015/2020 | CSA (15ILSRA1-York) The effect of long duration hypogravity on the perception of self-motion | \$786,280 |
| 2015/2020 | NSERC Discovery Grant (46271-2015) <i>Multisensory interactions and the representation of the body in the brain</i> | \$246,000 |
| 2016/2017 | Deutsche Zentrum für Luft und Raumfahrt (DLR) <i>Investigation of self orientation under different gravity states</i> PI Rainer Herpers, Co-I with Michael Jenkin | €250,000 |

(September 10, 2019)

Laurence R Harris

| | | |
|-----------|---|---|
| 2016/2023 | Canadian First Research Excellence Fund (CFREF) <i>Vision: Science to Applications (VISTA)</i> | \$33,000.000 (Total project \$120,000,000) |
|-----------|---|---|

MEMBERSHIP OF SOCIETIES

| | |
|---|------|
| Applied Vision Association (A.V.A.) (UK) | 1981 |
| Association for Research in Vision and Ophthalmology (A.R.V.O.) (USA) | 1980 |
| Bárány Society (Sweden) | 1983 |
| Brain Research Association (B.R.A.) (UK) | 1974 |
| Cambridge Philosophical Society (UK) | 1974 |
| Canadian Society for Neurosciences (C.A.N.S.) (Canada) | 1991 |
| European Brain and Behaviour Society (E.B.B.S.) (Belgium) | 1981 |
| Experimental Psychology Society (E.P.S.) (UK) | 1982 |
| Physiological Society (UK) | 1983 |
| Research Defence Society (UK) | 1974 |
| Society for the Neural Control of Movement (N.C.M.) (USA) | 1990 |
| Society for Neurosciences (S.F.N.) (USA) | 1990 |
| Vision Sciences Society | 2000 |

TEACHING EXPERIENCE

| | |
|-----------|---|
| 1974-1978 | Supervising undergraduates in Experimental Psychology, University of Cambridge |
| 1980-1983 | Tutoring undergraduates in Psychology, University of Durham |
| 1980-1983 | Member of board of studies and examiners' board for Psychology, Durham |
| 1980-1983 | Lecturing in Psychology, Durham |
| 1981-1983 | Supervising undergraduate third year projects in Neurobiology (Durham) |
| 1983-1990 | Full teaching duties in Physiology, University College Cardiff (including tutorials, practical supervision, lecturing, examining) |
| 1986-1990 | Course organizer for Physiology-with-Psychology Joint Honours (Cardiff) |
| 1988-1990 | Course organizer for BSc Part I in Physiology course (Cardiff) |
| 1990- | Full teaching duties in Psychology, York University (for details see below) |

EDITORSHIPS

| | |
|-----------|---|
| 2010-2012 | Editor-in-chief of Seeing and Perceiving (Brill) |
| 2012- | Editor-in-chief of Multisensory Research (Brill) |
| 2014 | Invited to be editor of J Exp Psych.: Human Perception & Performance (declined) |
| 2015- | Action editor for i-Perception (Sage) |
| 2015- | Action editor for Perception (Sage) |

REFEREE for JOURNALS

| | |
|---|---|
| Acta Astronautica | Journal of Vestibular Research |
| Cognition | Journal of Vision |
| Current Biology | Medical Science Monitor |
| e-life | Medicine & Science in Sports & Exercise |
| European Journal of Neuroscience | Nature |
| Experimental Brain Research | Neuroscience Letters |
| International Journal of Psychophysiology | Neuropsychologia |
| Journal of the Association for Research in Otolaryngology (JARO) | Perception and Psychophysics |
| Journal of Comparative Physiology | Perception |
| Journal of Experimental Psychology | Plos ONE |
| Journal of Neurophysiology | Psychological Sciences |
| Journal of Neuroscience | Scientific Reports |
| Journal of Physiology (London) | Trends in Cognitive Sciences |
| | Vision Research |

REFEREE for PUBLISHERS

| | |
|----------------------------|-----------------------------|
| Oxford University Press | Harwood Academic Publishers |
| Cambridge University Press | Springer Verlag |
| Routledge | Sage |

REVIEWER FOR GRANT BODIES

Ad Hoc reviewer for:

| | |
|---|---|
| Canadian Institutes for Health Research (CIHR, Canada) | Natural Science and Engineering Research Council (NSERC, Canada) |
| CFI | Medical Research Council (MRC, UK) |
| European Science Foundation | MITACS |

Invited reviewer

| | |
|-----------|---|
| 2016- | CIHR Member of college of reviewers for Stage 1 Project Scheme |
| 2005- | CFI Leaders Opportunity Fund Advisory Committee (LOFAC) |
| 2003-2006 | CIHR Behavioural Sciences C committee |
| 2001 | Canada Foundation for Innovation (CFI). Member of Multi-disciplinary Assessment Committee for a three-day review of CFI applications totalling about \$100,000,000. |
| 2001 | Natural Science and Engineering Research Council (NSERC, Canada) Referee to evaluate candidates nominated for the Gerhard Herzberg Canada Gold Medal for Science and Engineering. |
| 2000- | NSBRI Meetings in Washington and Houston |
| 1994-1995 | National Institute of Health (NIH) reviewer for NIH/NASA grants for projects to take place on the Neurolab shuttle flight. |
| 1990 | NASA consultant, concerning the future of the NASA Ames Vestibular Research Facility. |

PUBLICATIONS

copies of most of these publications can be found on my web page at
<http://www.yorku.ca/harris/pubs>

Books

1. Harris LR, Jenkin M (1993) Eds. *Spatial Vision in Humans and Robots*. Cambridge University Press, Cambridge, UK. ISBN 0-521-43071-2. 448 pages.
2. Jenkin M, Harris LR. (1997) Eds *Psychophysical and computational mechanisms of visual coding*. Cambridge University Press, Cambridge, UK. ISBN 0-521-57104-9. 361 pages
3. Harris LR, Jenkin M. (1998) Eds. *Vision and Action*. Cambridge University Press, Cambridge, UK ISBN 0-521-63162-9. 360 pages.
4. Jenkin M, Harris LR. (2001) Eds. *Vision and Attention*. Springer, NY ISBN 0-387-95058-3.
5. Harris LR, Jenkin M (2002) Eds. *Levels of Perception*. Springer NY ISBN 0-387-95525-9.
6. Jenkin M, Harris LR (2005) Eds. *Seeing Spatial Form*. Oxford University Press. NY ISBN 0195172884
7. Harris LR, Jenkin M (2007) Eds. *Computational vision in neural and machine systems*. Cambridge University Press. ISBN-10: 0521862604; ISBN-13: 978-0521862608; 336 pages
8. Jenkin M, Harris LR (2009) Eds. *Cortical Mechanisms of Vision*. Cambridge University Press. ISBN-10: 0521889618; ISBN-13: 978-0521889612; 458 pages
9. Harris LR, Jenkin M (2011) Eds. *Vision in the 3D environment*. Cambridge University Press ISBN-10: 1107001757; ISBN-13: 978-1107001756 ; 376 pages
10. Steeves JKE, Harris LR (2012) Eds. *Plasticity in Sensory Systems*. Cambridge University Press ISBN-10: 1107022622; ISBN-13: 978-1107022621; 320 pages
11. Ferré ER, Harris LR (2017) Eds. *Vestibular Cognition*. Brill. ISBN-10: 9004342230; ISBN-13: 978-9004342231

Book chapters

1. Harris LR, Cynader M (1981) Modification of the gain and balance of the vestibulo_ocular reflex: effects of dark_rearing and surgical section of crossed visual pathways. In: *Progress in Oculomotor Research*. Fuchs AF, Becker W. (Eds) Elsevier/North Holland pp. 465_475
2. Findlay JM, Harris LR (1984) Small saccades to double_stepped targets moving in two_dimensions. In: *Theoretical and applied aspects of eye movement research*. Gale AG, Johnson F. (Eds) Elsevier/North Holland. pp 71_78
3. Harris LR (1984) The Neurophysiology of eye movements. In: *Theoretical and applied aspects of eye movement research*. Gale AG, Johnson F (Eds) .Elsevier/North Holland. pp 383_384
4. Harris LR, Barnes GB (1987) The orientation of vestibular nystagmus is modified by head tilt. In: *The Vestibular System*. Graham MD, Keminck JL. (Eds) Raven Press, New York pp 571_581

5. Grüsser O-J, Guldin W, Harris LR, Lefèbre SC, Pause M (1992) Cortical representation of head in space and some psychophysical experiments on head movements In: *The Head-Neck Sensory Motor System*. Berthoz A, Vidal PP, Graf W (Eds). Oxford Univ. Press, Oxford. pp 497-509
6. Harris LR, Jenkin MJ (1993) Spatial Vision in Humans and Robots. In: *Spatial Vision in Humans and Robots*. Harris LR, Jenkin MJ (Eds) Cambridge University Press, New York. pp 1-7.
7. Harris LR (1994) Visual motion caused by movements of the eye, head and body. In: *Visual Detection of Motion*. Smith AT, Snowden R (Eds). Academic Press, London pp 397-436
8. Harris LR (1997) The coding of self motion. In: *Psychophysical and computational mechanisms of visual coding*. Jenkin M, Harris LR (Eds) Cambridge Univ. Press, Cambridge, UK. pp 157-183
9. Harris LR, Jenkin M (1997) Psychophysical and computational mechanisms of visual coding. In: *Psychophysical and computational mechanisms of visual coding*. Jenkin M, Harris LR. (Eds) Cambridge University Press, Cambridge, UK. pp 1-19
10. Harris LR, Zikovitz DC, Kopinska, A (1998) Frames of reference with examples from driving and auditory localization In: *Vision and Action*. Harris LR, Jenkin M (eds) Cambridge University Press, Cambridge, UK. pp 66-81
11. Harris LR, Jenkin M. (1998) Vision and action. In: *Vision and Action*. Harris LR, Jenkin M (eds) Cambridge University Press, Cambridge, UK. pp 1-12
12. Zikovitz DC, Harris LR (2000) Effects of gravito-inertial-force and vision on head tilt during driving. In: *Vision in Vehicles VII*. Gale, A (ed) Elsevier North-Holland pp 281-288
13. Harris LR, Jenkin M. (2001) Vision and Attention. In: *Vision and Attention*. Jenkin M, Harris LR (eds) Springer, NY. pp 1-17
14. Harris LR, Beykirch K, Fetter M (2002) What is the appropriate level of analysis of eye movements? A postmodern approach to the vestibulo_ocular reflex. In: *Levels of Perception*. Harris LR, Jenkin M. (Eds) Springer, NY. pp 279-291.
15. Harris LR, Howard IP, Jenkin M. (2002) Levels of Perception In: *Levels of Perception* Harris LR, Jenkin M (eds) Springer, NY. pp1-6
16. Harris LR, Jenkin M (2005) On seeing spatial form In: *Seeing Spatial Form*. Jenkin M, Harris LR (eds) Oxford University Press, NY
17. Harris LR, Jenkin M (2007) Computational vision. In: *Computational vision in neural and machine systems*. Harris LR, Jenkin M (Eds) Cambridge University Press, Cambridge.
18. Harris LR, Harrar V, Jaekl P, Kopinska A (2010) Mechanisms of simultaneity constancy. In: *Issues of space and time in perception and action*. edited by Romi Nijhawan. Cambridge University Press
19. Harris LR (2009) Visual-vestibular interactions. In: *The International Encyclopedia of Neuroscience* Vol 10: 381-387 (Elsevier. North Holland) Editor in chief Larry R. Squire
20. Jenkin M, Harris LR (2009) Cortical mechanisms of vision. In: *Cortical mechanisms of vision*. Jenkin M, Harris LR (eds) Cambridge University Press, NY
21. Harris LR, Jenkin M (2011) Vision in 3d environments. In: *Vision in 3d environments*. Harris LR, Jenkin M (eds) Cambridge University Press, NY

22. Steeves JKE, Harris L (2012) Plasticity in Sensory Systems. In: *Plasticity in Sensory Systems*. Steeves JKE, Harris LR (eds). Cambridge University Press, NY
23. Ferré ER, Harris LR (2017) Vestibular Cognition. In: *Vestibular Cognition*. Ferré ER, Harris LR (eds) Brill Academic Publishers, Amsterdam. pp.1-4.
24. Hoover. AEN, Harris LR (2017) Disrupting vestibular activity disrupts body ownership. In: *Vestibular Cognition*. Ferré ER, Harris LR (eds) Brill Academic Publishers, Amsterdam. pp. 189-198.

PUBLICATIONS

Peer-reviewed Articles

1. Harris LR, Atkinson J, Braddick OJ (1976) Visual contrast sensitivity of a six month old infant measured by the evoked potential. *Nature* 264: 570-571
2. Barlow HB, Derrington AM, Harris LR, Lennie P (1977) The effects of remote visual stimulation on the responses of cat retinal ganglion cells. *J Physiol. (London)* 269: 177-194
3. Harris LR (1978) Contrast sensitivity and acuity of a conscious cat measured by the occipital evoked potential. *Vision Research* 18: 175-178
4. Harris LR (1980) The superior colliculus and movements of the eyes and head in cats. *J Physiol (London)* 300: 367-391
5. Cynader M, Harris LR (1980) Eye movements of strabismic cats. *Nature* 286: 64-65
6. Harris LR, Lepore F, Guillemont J P, Cynader M (1980) Abolition of optokinetic nystagmus in the cat. *Science* 210: 91-92
7. Harris LR, Blakemore C, Donaghy MJ (1980) Integration of visual and auditory space in the mammalian superior colliculus. *Nature* 288: 56-59
8. Pinter RB, Harris LR (1981) Temporal and spatial response tuning characteristics of cat superior colliculus. *Brain Research* 207: 73-94
9. Harris LR, Cynader M (1981) The eye movements of the dark-reared cat. *Experimental Brain Research* 44: 41-56
10. Harris LR, Cynader M (1981) Modification of the balance and gain of the vestibulo-ocular reflex in the cat. *Experimental Brain Research* 44: 57-70
11. Harris LR, Morgan J, Still AW (1981) Moving and the motion after effect. *Nature* 293: 139-141
12. Rauschecker JP, Harris LR (1983) Auditory compensation of the effects of visual deprivation in the cat's superior colliculus. *Experimental Brain Research* 50: 69-83
13. Harris LR (1984) The effect of tilt on the responses of vestibular nucleus neurones to horizontal angular acceleration in the rat. *Acta Otolaryngol (Stockholm)* 406: 149-153
14. Harris LR (1987) Vestibular and optokinetic eye movements evoked in the cat by rotation about a tilted axis. *Experimental Brain Research* 66: 522-532
15. Harris LR (1987) The eye movements evoked by a rotating linear acceleration vector depend on a central velocity storage mechanism. *Brain Research* 437: 393-396
16. Harris LR (1988) Vertical canal stimulation abolishes horizontal velocity storage: effects on optokinetic nystagmus and eye movements evoked by a rotating linear acceleration. *Adv. Oto-Rhino-Laryng.* 41: 34-37
17. Harris LR (1988) The contribution of the semicircular canals to the response to off-vertical-axis rotation in the cat. *Experimental Brain Research* 71: 147-152

18. Harris LR (1988) Investigations of sensory interactions in the eye movement system. *Clin. Phys. Physiol. Meas.* 9: 280-283
19. Rauschecker JP, Harris LR (1989) Auditory and visual neurones in the cat's superior colliculus selective for the direction of apparent motion stimuli. *Brain Research* 490: 56-63
20. Harris LR (1989) Neurophysiology of the vestibular system *Brain* 112: 1119-1120
21. Harris LR (1989) The use of modelling in understanding eye movement control with examples taken from TUTSIM, a general purpose simulation computer program. *British Ocular Motor Group Newsletter* 2: 1-4
- 1991**
22. Harris LR, Smith AT (1991) Use of plaid patterns to distinguish the corticofugal and direct retinal inputs to the brainstem optokinetic nystagmus generator. *Experimental Brain Research* 86: 324-332
23. Harris LR, Stelling JW (1991) The effect of canal/visual and canal/otolith conflict on type I vestibular nucleus neurones. *Acta Otolaryngologica (Stockh)* 48: 266-268
- 1992**
24. Wall C, Harris LR, Lathan C (1992) Interactions between otoliths and vision revealed by the response to z-axis linear movements. *Annals of the New York Academy of Sciences* 656: 898-900
25. Harris LR, Smith AT (1992) Motion defined exclusively by second-order characteristics does not evoke optokinetic nystagmus. *Visual Neuroscience* 9: 565-570
- 1993**
26. Harris LR, Lewis TL, Maurer D (1993) Brainstem and cortical contributions to the generation of optokinetic eye movements in humans. *Visual Neuroscience* 10: 247-259
27. Findlay JM, Harris LR (1993) Horizontal saccades to stereoscopically presented targets of differing disparity. *Vision Research* 33: 1001-1010
28. Harris LR, Goltz H, Steinbach MJ (1993) The effect of gravity on the resting position of the cat's eye. *Experimental Brain Research* 96: 107-116.
- 1994**
29. Harris LR (1994) Keeping track of visual codes which move from cell to cell during eye movements. A commentary on Bridgeman, van der Heijden and Velichkovsky. *Behavioral and Brain Sciences* 17: 265-266
30. Harris LR (1994) The oculomotor response to plaids. *British Ocular Motor Group Newsletter* 7: 3-6
31. Sawin EP, Sokolowski MB, Harris LR, Campos AR (1994) Sensorimotor transformation from light reception to phototactic behaviour in drosophila larva. *Journal of Insect Physiology* 7: 553-567
- 1995**
32. Lathan CE, Wall C, Harris LR (1995) The response of the otolith-ocular system to z-axis linear acceleration and optokinetic stimulation in humans: The effect of stimuli phase relationships during sinusoidal movement. *Experimental Brain Research* 103: 256-266
33. Harris LR, Lott LA (1995) Sensitivity to full-field visual movement compatible with head rotation: variations among axes of rotation. *Visual Neurosciences* 12: 743-754
- 1996**

34. Harris LR, Lott LA (1996) Sensitivity to full-field visual movement compatible with head rotation: variation with eye-in-head position. *Visual Neurosciences* 13: 277-282
35. Harris LR, Lieberman L. (1996) Auditory stimulus detection is not suppressed during saccadic eye movements. *Perception* 25: 999-1004
- 1998**
36. Harris LR (1998) The Mars/Sun collision illusion: motion is not visualizable in two different reference frames simultaneously. Commentary on Margolis on Cognitive Illusion. PSYCOLOQUY
ftp://ftp.princeton.edu/pub/harnad/Psycology/1998.volume.9/psyc.98.9.33.cognitive_illusion.2.harris
- 1999**
37. Zikovitz DC, Harris LR (1999) Head tilt during driving. *Ergonomics* 42: 740-746
- 2000**
38. Harris LR, Smith AT (2000) Second order motion influences OKN to first order motion *Experimental Brain Research* 130: 67-72.
39. Harris LR, Jenkin M, Zikovitz D.C. (2000) Vestibular capture of the perceived distance of passive linear self motion. *Archives Italiennes de Biologie* 138: 63-72.
40. Harris LR, Jenkin M, Zikovitz DC (2000) Visual and non-visual cues in the perception of linear acceleration *Experimental Brain Research* 135:12-21
- 2001**
41. Redlick FP, Harris LR, Jenkin M (2001) Humans can use optic flow to estimate distance of travel. *Vision Research* 41: 213-219
42. Harris LR, Beykirch K, Fetter M (2001) Visual consequences of deviations in the orientation of the axis of rotation of the human vestibulo-ocular reflex. *Vision Research* 41: 3271-3281.
43. Wall C, Assad A, Aharon G, Dimitri, PS, Harris LR (2001) The human oculomotor response to simultaneous visual and physical movements at two different frequencies. *Journal of Vestibular Research* 11: 81-89
- 2002**
44. Harris LR, Beykirch KA, Fetter M (2002) A three-channel model for generating the vestibulo-ocular reflex in each eye. *Annals N.Y. Acad. Sci.* 956: 537-542
45. Harris LR, Jenkin M, Zikovitz D, Redlick F, Jaekl P, Jasiobedzka U, Jenkin H, Allison R (2002) Simulating self motion I: cues for the perception of motion *Virtual Reality* 6: 75-85
46. Allison R, Harris LR, Hogue A, Jasiobedzka U, Jenkin H, Jenkin M, Jaekl P, Laurence J, Pentile G, Redlick F, Zacher J, Zikovitz D. (2002) Simulating self motion II: A virtual reality tricycle *Virtual Reality* 6: 86-95
- 2003**
47. Kopinska A, Harris LR (2003) Spatial representation in body coordinates: evidence from errors in remembering positions of visual and auditory targets after active eye, head, and body movements. *Can J Exp Psychol.* 57 (1):23_37.
48. Jaekl P, Jenkin M, Harris LR (2003) Perceptual stability during active head movements orthogonal and parallel to gravity *Journal of Vestibular Research* 13: 265-271

49. Jenkin HL, Dyde RT, Jenkin MR, Howard IP, Harris LR (2003) Relative role of visual and non-visual cues in judging the direction of 'Up': Experiments in the York tilted room facility *Journal of Vestibular Research* 13: 287-293

2004

50. Kopinska A, Harris LR (2004) Simultaneity constancy *Perception* 33 (9): 1049-1060
51. Jenkin HL, Jenkin MR, Dyde RT, Harris LR (2004) Shape-from-shading depends on both shading and perceived orientation. *Perception* 33: 1453-1461

2005

52. Barnett-Cowan M, Dyde RT, Harris LR (2005) Is an internal model of head orientation necessary for oculomotor control? *Annals N.Y. Acad. Sci* 1039: 314-324
53. Jaekl P, Zikovitz DC, Jenkin MR, Jenkin HL, Zacher JE, Harris LR (2005) Gravity and perceptual stability during translational head movement on earth and in microgravity *Acta Astronautica* 56: 1033-1040
54. Jenkin HL, Dyde RT, Zacher JT, Zikovitz DC, Jenkin MR, Allison RS, Howard IP, Harris LR (2005) The relative role of visual and non-visual cues in determining the perceived direction of up: experiments in parabolic flight. *Acta Astronautica* 56: 1025-1032
55. Jaekl P, Jenkin MR, Harris LR (2005) Perceiving a stable world during active rotational and translational head movements. *Experimental Brain Research*.163: 388-399
56. Harrar V, Harris LR (2005) Simultaneity constancy: detecting events with touch and vision. *Exp. Brain Res.*166: 465-473

2006

57. Harris LR, Duke PJ, Kopinska A (2006) Flash lag in depth *Vision Research* 46: 2735-2742 [doi:10.1016/j.visres.2006.01.001](https://doi.org/10.1016/j.visres.2006.01.001)
58. Dyde RT, Jenkin MR, Harris LR (2006) "The subjective visual vertical and the perceptual upright" *Experimental Brain Research* 173: 621-622 [doi:10.1007/s00221-006-0405-y](https://doi.org/10.1007/s00221-006-0405-y)

2007

59. Lappe M, Jenkin M, Harris LR (2007) "Travel distance estimation from visual motion by leaky path integration" *Experimental Brain Research* 180: 35-48 [doi:10.1007/s00221-006-0835-6](https://doi.org/10.1007/s00221-006-0835-6)
60. Jaekl P, Harris LR (2007) "Auditory-visual temporal integration measured by shifts in perceived temporal location" *Neuroscience Letters* 417: 219-224 [doi:10.1016/j.neulet.2007.02.029](https://doi.org/10.1016/j.neulet.2007.02.029)
61. Harrar V, Harris LR (2007) "Multimodal ternus: visual, tactile and visuo-tactile grouping in apparent motion" *Perception* 36: 1455-1464 [doi:10.1068/p5844](https://doi.org/10.1068/p5844)
62. Jenkin HJ, Zacher JE, Jenkin MR, Oman CM, Harris LR (2007) "Effect of field of view on the Levitation Illusion" *Journal of Vestibular Research*. 17(5-6):271-7
63. Sanderson J, Oman CM, Harris LR (2007) "The measurement of Coriolis effects: an example of a head-movement-contingent oscillopsia" *Journal of Vestibular Research*. 17(5-6):289-99

2008

64. Harrar V, Harris LR (2008) "The effect of exposure to asynchronous audio, visual, and tactile stimulus combinations on the perception of simultaneity" *Experimental Brain Research* 186: 517-524. [doi:10.1007/s00221-007-1253-0](https://doi.org/10.1007/s00221-007-1253-0)

65. Harrar V, Winter R, Harris LR (2008) “Visuo-tactile apparent motion” *Perception and Psychophysics*. 70(5): 807-17 [doi:10.3758/PP.70.5.807](https://doi.org/10.3758/PP.70.5.807)
66. Harris LR, Smith AT (2008) “The coding of eye position” *Experimental Brain Research* 187(3): 429-37 [doi:10.1007/s00221-008-1313-0](https://doi.org/10.1007/s00221-008-1313-0)
67. Dyde RT, Harris LR (2008) “The influence of retinal and extra-retinal motion cues on perceived object motion during self-motion” *J. Vision*. 8(14):5, 1-10 <http://journalofvision.org/8/14/5/>
68. Winter R, Harrar V, Gozdzik M, Harris LR (2008) “The relative timing of active and passive touch” *Brain Research*. 1242: 54-58 [doi:10.1016/j.brainres.2008.06.090](https://doi.org/10.1016/j.brainres.2008.06.090)
69. Barnett-Cowan M, Harris LR (2008) “Perceived self-orientation in allocentric and egocentric space: effects of visual and physical tilt from saccadic and tactile measures” *Brain Research*. 1242: 231-243 [doi:10.1016/j.brainres.2008.07.075](https://doi.org/10.1016/j.brainres.2008.07.075)
- 2009**
70. Trainor LJ, Gao X, Lei J-J, Lehtovaara K, Harris LR (2009) “The primal role of the vestibular system in determining musical rhythm”. *Cortex* 45: 35-43 [doi:10.1016/j.cortex.2007.10.014](https://doi.org/10.1016/j.cortex.2007.10.014)
71. Dyde RT, Jenkin MR, Jenkin HJ, Zacher JE, Harris LR (2009) “The effects of altered gravity states on the perception of orientation.” *Experimental Brain Research* 194: 647-660 [doi:10.1007/s00221-009-1741-5](https://doi.org/10.1007/s00221-009-1741-5)
72. Barnett-Cowan M, Harris LR (2009) “Perceived timing of vestibular stimulation relative to touch, light and sound” *Experimental Brain Research* 198 (2-3) 221-231 [doi:10.1007/s00221-009-1779-4](https://doi.org/10.1007/s00221-009-1779-4)
73. Haji-Khamneh B, Harris LR (2009) “The timing of the effect of intrinsic and extrinsic cues on the perceptual upright” *Vision Research* 49: 2121-2130 [doi:10.1016/j.visres.2009.06.003](https://doi.org/10.1016/j.visres.2009.06.003)
74. Harrar V, Harris LR (2009) “Eye position affects the perceived location of touches” *Experimental Brain Res.* 198 (2-3) 403-410 [doi:10.1007/s00221-009-1884-4](https://doi.org/10.1007/s00221-009-1884-4)
75. Jaekl P, Harris LR (2009) “Sounds can affect visual perception mediated primarily by the parvocellular pathway” *Visual Neuroscience* 26(5-6):477-86
- 2010**
76. Barnett-Cowan M, Dyde RT, Thompson C, Harris LR (2010) “Multisensory determinants of orientation perception: task specific sex differences” *European Journal of Neuroscience* 31(10), 1899-1907 [doi:10.1111/j.1460-9568.2010.07199.x](https://doi.org/10.1111/j.1460-9568.2010.07199.x)
77. Harris LR, Jenkin M, Jenkin H, Dyde, RT, Zacher J, Allison RS (2010). “The unassisted visual system on earth and in space” *Journal of Vestibular Research* 20(1):25-30
78. Harris LR, Jenkin M, Jenkin H, Dyde RT, Oman CM (2010) “Where’s the floor?” *Seeing and Perceiving*. 23: 81-88
79. Barnett-Cowan M, Dyde RT, Fox SH, Moro E, Hutchison WD, Harris LR (2010) “Multisensory determinants of orientation perception in Parkinson’s disease” *Neuroscience* 167: 1138-1150 DOI: 10.1016/j.neuroscience.2010.02.065

80. Prime SL, Harris LR (2010) “Predicting the position of moving audiovisual stimuli” *Experimental Brain Research* 203: 249 – 260 DOI: 10.1007/s00221-010-2224-4
81. Harrar V, Harris LR (2010) “Touch used to guide action is partially coded in a visual reference frame” *Experimental Brain Research* 203: 615-620
82. Haji-Khamneh B, Harris LR (2010) “How different types of scenes affect the subjective visual vertical and the perceptual upright” *Vision Research* 50:1720-7
83. Chang DHF, Harris LR, Troje NF. (2010) “Frames of reference for the biological motion and face inversion effects” *Journal of Vision* 10: (6) 22, 1-11
<http://www.journalofvision.org/content/10/6/22>
84. Jaekl P, Harris LR (2010) “Space Constancy vs. Shape Constancy” *Seeing and Perceiving* 23: 385-399

2011

85. Jenkin MR, Dyde RT, Jenkin HL, Zacher JE, Harris LR. (2011) “Perceptual upright: the relative effectiveness of dynamic and static images under different gravity states” *Seeing and Perceiving*. 24: 53-64
86. Harris LR, Jenkin M, Dyde RT, Jenkin H (2011) “Enhancing visual cues to orientation: suggestions for space travellers and the elderly” *Progress in Brain Research* 191: 133-142
87. Morgenstern Y, Murray R, Harris LR (2011) “The light from above prior is weak” *Proc Natl. Acad. Sci. USA* 108: (30) 12551-3
88. Pritchett LM, Harris LR (2011) “Perceived touch location is affected by both eye and head position” *Experimental Brain Research*. 213: 229-234
89. Barnett-Cowan M, Harris LR (2011) “Temporal processing of active and passive head movement” *Experimental Brain Research* 214: 27-35 DOI 10.1007/s00221-011-2802-0
90. Dearing RR, Harris LR (2011) “The contribution of different parts of the visual field to the perception of upright” *Vision Research* 51: 2207-2215 DOI 10.1016/j.visres.2011.08.018

2012

91. Jaekl P, Soto-Faraco S, Harris LR (2012) “Perceived size change induced by audio-visual temporal delays” *Experimental Brain Research* 216: 457-462
92. Hoover AEN, Harris LR, Steeves JKE (2012) “Sensory compensation in sound localization in people with one eye” *Experimental Brain Research* 216: 565-574
93. Harris LR, Jenkin MR, Dyde RT (2012) “The perception of upright under lunar gravity” *J. Gravitational Physiology* 19(2): 9-16
94. Harris LR, Herpers R, Jenkin M, Allison R, Jenkin H, Kapralos B, Scherfgen D, Felsner S. (2012) “The relative contributions of radial and laminar optic flow to the perception of linear self-motion” *Journal of Vision*, 12(10):7, 1–10,
<http://www.journalofvision.org/content/12/10/7>, doi:10.1167/12.10.7
95. Hoover AEN, Harris LR (2012) “Detecting delay in visual feedback of an action as a monitor of self recognition” *Experimental Brain Research* 222: 389-397
96. Pritchett LM, Carnevale M, Harris LR (2012) “Reference frames for coding touch location depend on the task” *Experimental Brain Research* 222: 437-445

2013

97. Barnett-Cowan M, Jenkin HL, Jenkin MR, Harris LR. (2013) “Asymmetrical

representation of body orientation” *Journal of Vision* 13(2): 3

<http://www.journalofvision.org/content/13/2/3>

98. Harrar V, Pritchett LM, Harris LR. (2013) “Segmented space: Measuring tactile localisation in body coordinates.” *Multisensory Research* 26 (1-2): 3-18
99. Harris LR, Jenkin M. “The effect of blur on the perception of up” *Optometry and Visual Science* 91(1) 103-110
100. Preuss N, Harris LR, Mast FW (2013) “Allocentric visual cues influence spatial embodiment” *J Vis* 2013;13 14
<http://www.journalofvision.org/cgi/content/abstract/13/12/14>

2014

101. D’Amour SAO, Harris LR (2014) “Contralateral tactile masking between the forearms” *Experimental Brain Research* 232: 821-826
102. D’Amour S, Harris LR (2014) “Vibrotactile masking through the body” *Experimental Brain Research* 232: 2859-2863
103. Harris LR, Herpers R, Hofhammer T, Jenkin M. (2014) “How much gravity is needed for the perceptual upright” *PLoS One* 9 (9): e106207
104. Harris LR, Mander C. (2014) “The connection between perceived upright and perceived distance” *Journal of Vision* [14:17](https://doi.org/10.1167/14.12.17)
[doi:10.1167/14.12.17](https://doi.org/10.1167/14.12.17)
105. Moro SS, Harris LR, Steeves JKE (2014) “Optimal audiovisual integration in people with one eye” *Multisensory Research* 27: 173-188
106. Auvray M, Harris LR (2014) “The state of the art of sensory substitution” *Multisensory Research* 27: 265-269



2015

107. D’Amour S, Pritchett LM, Harris LR (2015) “Bodily illusions disrupt tactile sensations” *Journal of Experimental Psychology: Human Perception and Performance* 41 (1):42-49
108. Hoover A, Harris LR (2015) “The role of viewpoint on body ownership” *Exp Brain Res.* 233: 1053-1060
109. Hoover AEN, Harris LR (2015) “Disrupting vestibular activity disrupts body ownership” *Multisensory Research* 28: 581-590
110. Harris LR, Carnevale MJ, D’Amour S, Fraser LE, Harrar V, Hoover AEN, Mander C, Pritchett LM (2015) “How our body influences our perception of the world” *Frontiers in Psychology* 6:819. doi: 10.3389/fpsyg.2015.00819
[http://www.frontiersin.org/Journal/Abstract.aspx?s=194&name=cognition&ART_Doi=10.3389/fpsyg.2015.00819&utm_source=Email to authors &utm_medium=Email&utm_content=T1_11.5e1_author&utm_campaign=Email publication&field=&journalName=Frontiers in Psychology&id=145369](http://www.frontiersin.org/Journal/Abstract.aspx?s=194&name=cognition&ART_Doi=10.3389/fpsyg.2015.00819&utm_source=Email%20to%20authors%20medium=Email&utm_content=T1_11.5e1_author&utm_campaign=Email_publication&field=&journalName=Frontiers%20in%20Psychology&id=145369)
111. Ferrè ER, Harris LR (2015) “Introduction to Vestibular Cognition Special Issue: Progress in Vestibular Cognition” *Multisensory Research* 28: 393-396
112. Jaekl P, Seidlitza J, Harris LR, Tadin D. (2015) “Audiovisual delay as a novel cue to visual distance” *PLoS ONE* 10(10): e0141125. doi:10.1371/journal.pone.0141125

113. Fraser LE, Makooie B, Harris LR (2015) “The subjective visual vertical and the subjective haptic vertical access different gravity estimates” *PLoS ONE* 10(12) e0145528. Doi: 10.1371/journal.pone.0145528
- 2016**
114. Carnevale MJ, Harris LR (2016) “Which way is up for a high pitch?” *Multisensory Research* 29: 113-132
115. D’Amour S, Harris LR (2016) “Testing tactile masking between the forearms” *Journal of Visualized Experiments* (108), e53733, doi:10.3791/53733
116. D’Amour S, Harris LR (2016) "Long-range tactile masking occurs in the postural body schema" *Experimental Brain Research* 234: 569-575
117. Grove PM, Robertson C, Harris LR (2016)“Disambiguating the stream/bounce illusion with inference” *Multisensory Research*. 29: 453-464
118. Hoover AEN, Elzein Y, Harris LR (2016) "Left-handers show no self-advantage when identifying delayed visual feedback concerning an active movement" *Experimental Brain Research* 234: (7) 1915-1923
119. Daemi M, Harris LR, Crawford JD (2016) “Causal Inference in Cross-Modal Spatial Localization: A Computational Study in a Decision-Making Framework.” *Front. Comput. Neurosci.* 10:62. doi: 10.3389/fncom.2016.00062
120. Fraser LE, Harris LR (2016) “Perceived finger orientation is biased towards functional task spaces” *Experimental Brain Research* 234 (12) 3565-3574
121. Hoover AEN, Harris LR (2016) “Inducing ownership over an ‘other’ perspective with a visuo-tactile manipulation” *Experimental Brain Research* 234 (12) 3633-3639
122. Harrar V, Harris LR, Spence C. (2016) “Multisensory Integration is independent of perceived simultaneity” *Experimental Brain Research* 235(3) 763-775
- 2017**
123. Toth AJ, Harris LR, Zettel J, Bent LR (2017) “Vision can recalibrate the vestibular reafference signal used to re-establish postural equilibrium following a platform perturbation” *Experimental Brain Research* 235: 407-414 doi: 10.1007/s00221-016-4801-7
124. Straube B, van Kemenade BM, Arikan BE, Fiehler K, Leube D, Harris LR, Kircher T. (2017) “Predicting the multisensory consequences of one’s own action: BOLD suppression effects in auditory and visual cortices” [PLoS One](#). 2017 Jan 6;12(1):e0169131. doi: 10.1371/journal.pone.0169131
125. Harris LR, Jenkin M, Jenkin H, Zacher JE, Dyde RT (2017) “The effect of long-term exposure to microgravity on the perception of upright”. *Nature Partner Journal: Microgravity* 3:3 doi:10.1038/s41526-016-0005-5
126. Harris LR, Sakurai K, Beaudot WHA (2017) “Tactile flow overrides other cues to self motion” *Scientific Reports* 7: 1059 DOI:10.1038/s41598-017-01111-w
127. D’Amour S, Harris LR (2017) “Perceived face size in healthy adults” *PLoS ONE* 12 (5) e0177349
128. McManus M, D’Amour S, Harris LR (2017) “Using optic flow in the far peripheral field”. *Journal of Vision*. 17 (8):3, 1-11 DOI: 10.1167/17.8.3
129. Arikan BE, van Kemenade BM, Straube B, Harris LR, Kircher T (2017) “Voluntary and involuntary movements widen the window of subjective simultaneity” *I-Perception* 8 (4) 1-20 DOI 10.1177/2041669517719297

130. Fraser LE, Harris LR (2017) The effect of hand position on perceived finger orientation in left- and right-handers” *Experimental Brain Research* 235 (12), 3683-3693 doi: 10.1007/s00221-017-5090-5

2018

131. Fraser LE, Mansfield A, Harris LR, Merino D, Knorr S, Campos JL (2018). The weighting of cues to upright following stroke with and without a history of pushing. *The Canadian Journal of Neurological Sciences* 45: 405-414
132. Moro S, Harris LR. (2018) “Vestibular-somatosensory interactions affect the perceived timing of tactile stimuli” *Experimental Brain Research* 236: 2877-2885. doi: 10.1007/s00221-018-5346-8.

2019

133. Toth A, Harris LR, Bent LR “Visual feedback does not recalibrate the vestibular contribution to the dynamic phase of a perturbation recovery response” *Experimental Brain Research* EXBR-D-18-00391R3 <https://rdcu.be/bHf9y>
134. Chen J, McManus M, Valsecchi M, Harris LR, Gegenfurtner K "Steady-state visually evoked potentials reveal partial size constancy in early visual cortex" *Journal of Vision*.19, 8. doi:10.1167/19.6.8
135. Mansfield A, Taati B, Danells CJ, Fraser LE, Harris LR, Campos JL (2019) “Postural orientation with conflicting visual and graviceptive cues to ‘upright’ among individuals with and without a history of post-stroke ‘pushing’” *Neurologie & Rehabilitation* 25: S26-32

UNDER REVIEW

136. Herpers, Harris, McManus, Jenkin. The somatogravic illusion during centrifugation: sex differences" *Frontiers something or Harris LR, McManus M, Hofhammer T, Noppe A, Frett T, Herpers R, Jenkin M. “Sex difference in the somatogravic illusion during head-out centrifugation”*
137. Lauzon AP, Russo FA, Harris LR. The Influence of Rhythm on Detection of Auditory and Vibrotactile Asynchrony. *Experimental Brain Research* EXBR-D-19-00529
138. Uhlmann L, Pazen M, van Kemenade BM, Steinsträter O, Harris LR, Kircher T, Straube B. Seeing your own vs. another hand moving in accordance with your action: The neural interaction of agency and hand identity. *Cerebral Cortex*
139. D’Amour S, Harris LR. The representation of body size: Variations with viewpoint and gender. *Frontiers in Psychology*.
<http://www.frontiersin.org/Journal/MySubmission.aspx?stage=100>
- 140.

IN PREPARATION

1. Harris LR, Jenkin M, Herpers R The effect of long-duration head down bed rest as an analog of microgravity on the perception of up.
2. Walker E, Harris LR “Dance as a language”

3. Elzein Y, Harris LR “The effect of disruptive galvanic vestibular stimulation on remembering the location of a touch on the body” *Cognitive Neuroscience*
4. Harris LR, Spirling S “The effect of attention on tactile sensitivity” to be submitted to *Attention, Perception and Psychophysics*.
5. Elzein Y, Harris LR “Motion induced blindness not induced during self motion”
6. Rushton, thing, thing “
7. D’Amour and Harris “Arm and hand perception”
8. D’Amour and Harris “Perceiving your own body”
9. Kim?

PUBLICATIONS

Refereed Conference Proceedings and Technical Reports

1. Wall C, Harris LR, Lathan C (1993) The vertical eye movement response to visual and vestibular z-axis linear motion in humans. *Proceedings of XVIIth Barany Society Meeting (Prague)* pp 134-138
2. Harris, LR, Jenkin, M, Zikovitz, DC (1998) Vestibular cues and virtual environments, *IEEE VRAIS '98*, 133-138
3. Harris LR, Jenkin M, Zikovitz, DC, (1999) Vestibular cues and virtual environments: choosing the magnitude of the vestibular cue. *IEEE Int. Conf. on Virtual Reality 1*: 229-236
4. Allison R, Harris LR, Jenkin M, Pintilie G, Redlick FP, Zikovitz DC. (2000) First steps with a rideable computer *IEEE Int. Conf. on Virtual Reality 2*:169-175
5. Allison RS, Harris LR, Jenkin M, Jasiobedzka U, Zacher JE (2001) Tolerance of temporal delay in virtual environments *IEEE Int. Conf. on Virtual Reality 3*:247-254
6. Jaekl PM, Allison RS, Harris LR, Jasiobedzka UT, Jenkin HL, Jenkin MR, Zacher JE, Zikovitz DC (2002) Perceptual stability during head movement in virtual reality *IEEE Int. Conf. on Virtual Reality 4*: 149-155
7. Robinson M, Laurence J, Zacher J, Hogue A, Allison R, Harris LR, Jenkin M, Stuerzlinger W (2002) Growing IVY: Building the Immersive Visual environment at York. *ICAT. Proc. 11th Int. Conf. on Artificial Reality and Tele-existence, Tokyo, Japan, Dec 5-7, 2001*.
8. Jaekl P, Jenkin M, Zacher J, Harris LR (2003) Gravity does not contribute to perceptual stability during active head movement. *Proceeding of the Sixth symposium on the role of the vestibular organs in space exploration*.
9. Jenkin HL, Dyde RT, Jenkin MR, Harris LR, Howard IP (2003) Relative role of visual and non-visual cues in judging the direction of 'Up': Experiments in the York tilted room facility *Proceeding of the Sixth symposium on the role of the vestibular organs in space exploration*
10. Jenkin HL, Dyde RT, Jenkin MJ, Harris LR (2004) “Pitching up in VR”. *ICAT. Proc. 14th Int. Conf. on Artificial Reality and Tele-existence, Korea*

11. Kapralos B, Zikovitz DC, Jenkin M, Harris LR (2004). "Auditory cues in the perception of self-motion". Proceedings of the 116th Convention of the Audio Engineering Society, Berlin, Germany. May 8 - 11, 2004 (preprint # 6078)
12. Harris LR, Dyde RT, Jenkin MR (2005) "The use of visual and non-visual cues in updating the perceived position of the world during translation." *Proceedings of SPIE-Imaging Science & Technology. Vol 5666 pg 462-472*
13. Jenkin, HL, Dyde RT, Jenkin MR, Harris LR (2005) "The influence of room structure on the perceived direction of up in immersive displays" *ICAT Proc. 15th Int. Conf. on Artificial Reality and Tele-existence, New Zealand.*
14. Herpers R, Harris LR, Jenkin M, Hofmahher T, Noppe A, Felsner S, Hecht H. (2015) Perception of Upright under Created Gravity - Wo ist Oben? - Messung der Wahrnehmung des Perceptual Upright (PU) mit Hilfe des OCHART-Tests unter den wechselnden Gravitationsbedingungen in einer Zentrifuge. University of Applied Sciences Bonn-Rhein-Sieg, Department of Computer Science Sankt Augustin, Germany Technical Report 02-2015

PUBLICATIONS

Abstracts

1. Lennie P, Derrington AM, Harris LR, Barlow HB (1976) McIlwain's peripheral shift effect. *Neuroscience Letters*. 3: 98-99
2. Harris LR, Cynader M (1979) Abnormalities in the vestibulo-ocular reflex and optokinetic nystagmus of dark-reared cats. *Investigative Ophthalmology*. 18: 263
3. Pinter RB, Harris LR (1979) Spatial and temporal tuning characteristics of cat superior colliculus. *Investigative Ophthalmology* 18: 183
4. Harris LR, Cynader M (1979) Attempts to modify the vestibulo-ocular reflex of normal and dark-reared cats. *Society for Neuroscience Abstracts* 9: 2646
5. Fauvel T, Harris LR, Cynader M (1980) Elevated gain of optokinetic nystagmus with prolonged exposure. *Society for Neuroscience Abstracts* 10: 1582
6. Rauschecker JP, Harris LR (1981) Multimodal responses in the superior colliculus of binocularly deprived cats. *Neuroscience Letters Suppl* 7: 203
7. Lepore F, Guillemot JP, Harris LR, Roach J, Cynader M. (1981) Neurological bases of visual nystagmus in the rat. *Journal de Physiologie* 77 (9): A40_A40
8. Harris LR, Isaacs TW (1982) Visual responses in the inferior olive of the rat. *J. Physiol. (London)* 329: 23_24P
9. Harris LR (1983) The effect of tilt on the responses of vestibular nucleus neurones to horizontal angular accelerations in the rat. *J. Physiol. (London)* 345: 63P
10. Harris LR (1985) The effect of opposing canal and otolith signals during off-vertical axis rotation in the cat. *J. Physiol. (London)* 371: 30P
11. Harris LR (1986) Adaptation of the vestibulo-ocular reflex does not affect the response to off-vertical axis rotation in the cat. *J. Physiol. (London)* 382: 78P
12. Harris LR, Stelling JW (1989) Directional responses to otolithic stimulation of type I horizontal canal-related neurones in the vestibular nucleus of the awake cat. *J. Physiol. (Lond)* 412: 47P.

13. Harris LR, Stelling JW (1989) A six-dimensional computer-controlled system for simultaneous vestibular and full-field visual stimulation. *J. Physiol. (Lond)* 412: 6P.
- 1990**
14. Harris LR, Smith AT (1990) Plaids used to distinguish direct retinal and cortical contributions to horizontal optokinetic nystagmus. *Investigative Ophthalmology and Visual Science* 31: 591
15. Smith AT, Harris LR (1990) The direction of eye movements elicited by drifting plaid patterns. *Perception* 19: 339
16. Harris LR, Stelling JW (1990) The response of vestibular nucleus neurones to sensory conflict. *Society for Neuroscience Abstracts* 16: 401.4
- 1991**
17. Harris LR, Lewis TL, Maurer D (1991) Plaids used to evaluate cortical and subcortical involvement in human optokinetic nystagmus (OKN). *Investigative Ophthalmology and Visual Science* 32: 1738
18. Harris LR, Steinbach MJ, Goltz, HC (1991) Gravity affects the position of the paralysed cat's eye. *Society for Neuroscience Abstracts* 17: 337.4
- 1992**
19. Goltz H, Harris LR, Steinbach MJ (1992) Gravity as a passive force on the cat's eye: implications for oculomotor control. *Investigative Ophthalmology and Visual Science* 33: 2292.
20. Harris LR, Smith AT (1992) Second-order motion stimuli do not evoke optokinetic nystagmus. *Investigative Ophthalmology and Visual Science* 33: 2309.
21. Wall C, Harris LR, Lathan CE (1992) Otolith-visual z-axis sensory interactions. Association for Research in Otolaryngology.
22. Wall C, Lathan CE, Harris LR (1992) Otolith input enhances vertical optokinetic nystagmus in z-axis. *Investigative Ophthalmology and Visual Science* 33: 3306.
- 1993**
23. Harris LR, Lathan CE, Wall C (1993) The effect of z-axis linear acceleration of the head on vertical optokinetic nystagmus depends on visual velocity. *Investigative Ophthalmology and Visual Science* 34: 3964.
24. Lathan CE, Wall C, Harris LR (1993). The effect of linear acceleration on the range of optokinetic performance in humans. *Aviation, Space and Environ. Medicine* 64(5): 424.
25. Lott LA, Harris LR (1993) The detection and discrimination of the velocity and direction of full-field motion. *Perception* 22: 73
26. Harris LR, Lott LA (1993) Searching for perceptual correlates of an axis-based coding system for full-field visual movement. *International Conference and NATO Advanced Workshop on Binocular Stereopsis and Optic Flow*.
27. Harris LR, Lott LA (1993) Thresholds for full-field visual motion indicate an axis based coding system similar to that of the vestibular system. *Neuroscience Abstracts* 19: 316.21
- 1994**
28. Harris LR, Lott LA (1994) Thresholds for full-field visual motion: variation with eye-in-head position. *Investigative Ophthalmology and Visual Science* 35: 2000
29. Lott LA, Harris LR (1994) Vection in response to full-field visual rotation around different axes. *Investigative Ophthalmology and Visual Science* 35: 1274

30. Bigel M, Harris LR (1994) The effects of prolonged unilateral rotation on nystagmus: vestibular responses of skaters. *Canadian Brain and Behaviour Conference, Vancouver, Canada.*
31. Harris LR, Mente P (1994) The oculomotor response to visual and vestibular stimulation around different axes. *Neuroscience Abstracts* 20: 359.5
- 1995**
32. Harris LR, Mente P (1995) Shifting the axis of rotation of the vestibulo-ocular reflex in cats. *Neuroscience Abstracts* 21: 60.11
- 1996**
33. Harris LR, Jenkin M (1996) Comparing judgements of linear displacement using visual and vestibular cues. *Investigative Ophthalmology and Visual Science* 37: 2375
34. Harris LR, Mente P (1996) Is head movement coded by channels? *J. Vest. Res.* 6: S68
35. Harris LR, Mente P (1996) When vision shifts the vestibulo-ocular reflex, what defines the goal? *J. Vest. Res.* 6: S91
36. Harris LR, Mente P (1996) Is head movement coded by channels? *Neuro-ophthalmology* 16: 284
37. Assad A, Wall III C, Harris LR, Aharon G. (1997) Non-linear otolith-visual interactions during Z-axis linear movement in humans revealed by the oculomotor response to different frequencies presented simultaneously to the two systems. *Association for Research in Otolaryngology ARO Abstracts* (ISSN 0742_3152) #514 Session T1 Poster
- 1997**
38. Harris LR, Smith AT (1997) Second-order motion can attenuate optokinetic nystagmus to first-order movement. *Investigative Ophthalmology and Visual Science* 38: 3045
39. Harris LR, Kopinska A, Lieberman, L (1997) Auditory localization during eye and head movement. *Neuroscience Abstracts* 23: 261.11
- 1998**
40. Kopinska A, Harris LR (1998) Mapping auditory onto visual space: the effect of eye and head position. *Investigative Ophthalmology and Visual Science* 39: 5062
41. Zikovitz, D, Harris LR, Jenkin M, Kreichman D (1998) Vestibular dominance in estimating the distance of self motion: misaligned optic flow and vestibular cues. *Investigative Ophthalmology and Visual Science* 39: 5063
42. Harris LR, Kopinska A (1998) The effects of eye and head position on auditory localization BBCS (Ottawa) (Unpublished abstract)
43. Harris LR, Smith AT (1998) Direction-specific modification of first-order-motion-evoked optokinetic eye movement by second_order motion *ECVP (Oxford)* [Perception](#) 27: 3b
- 1999**
44. Redlick F, Harris LR, Jenkin M (1999) Active motion reduces the perceived self displacement created by optic flow. *Investigative Ophthalmology and Visual Science* 40: 4199
45. Harris LR, Jenkin, M, Zikovitz DC (1999) Vestibular capture of self motion *Archives Italiennes de Biologie* 137: (suppl.) 29-30
46. Hudoba M, Crawford JD, Harris LR (1999) Three dimensional gaze movements evoked by passive rotation in cats. *Neuroscience Abstracts* 25: (****)

47. Jenkin M, Harris LR, Redlick FP, Zikovitz DC (1999) The same perception of self motion from different combinations of visual and non-visual cues *ECVP (Trieste)* [Perception 28: 2c](#)
- 2000**
48. Harris LR, Jenkin M, Jenkin HL, Zacher JE, Jasiobedzka, U. (2000) Did the earth move for you?? Perceptual stability of the world and tolerance for oscillopsia in normal people during active head rotation. *Investigative Ophthalmology and Visual Science* 41: 4306
49. Zikovitz DC, Harris LR, Jenkin M (2000) How do visual, vestibular and active motion cues combine to create the perceived distance of self motion during translation? *Investigative Ophthalmology and Visual Science* 41:4232
50. Jenkin MR, Redlick FP, Harris LR (2000) The use of optic flow information to assess distance travelled depends on linear acceleration *Investigative Ophthalmology and Visual Science* 41: 3821
51. Kopinska A, Harris LR (2000) The effect of eye and head position on the localization of remembered visual and auditory targets. *Investigative Ophthalmology and Visual Science* 41:1166
52. Jenkin MR, Harris LR, Jasiobedzka U, Zikovitz DC, Jenkin HL, Zacher J. (2000) Perceptual stability during yaw head movement *ECVP (The Netherlands)* [Perception 29: 20a](#)
53. Harris LR, Beykirch KA, and Fetter M. (2000) Binocular asymmetry in the human vestibulo_ocular reflex *Society for Neurosci 2000* 26: 640.6
54. Beykirch KA, Fetter M, Harris LR. (2000) The three-dimensional spatial tuning of visually driven gain changes in the human vestibulo-ocular reflex *Society for Neurosci 2000* 26: 640.2
55. Harris LR, Beykirch KA, Fetter M, (2000) The visual consequences of deviations in the orientation of the axis of rotation of the human vestibulo-ocular reflex. *Vision in Natural Environments 2000*
56. Harris LR (2000) Seeing from a moving platform. *Vision in the year 2000* (unpublished abstract)
- 2001**
57. Liu A., Oman CM, Beall AC, Howard IP, Smith T, Young LR, Harris L, Jenkin M, (2001) Human Orientation in Prolonged Weightlessness (ISS HRF-E085), *American Institute of Aeronautics and Astronautics, AIAA 2001-4906. AIAA Conference on International Space Station Utilization, Cape Canaveral, FL*
58. Kopinska A, Harris LR (2001) Perceptual space coded in body rather than spatial coordinate. *Investigative Ophthalmology and Visual Science* 42: 3331
59. Zikovitz DC, Jenkin M, Harris LR (2001) Overestimation of linearvection induced by optic flow: contributions of size of field and stereopsis. *Investigative Ophthalmology and Visual Science* 42: 3322
60. Zikovitz DC, Jenkin M, Harris LR (2001). Comparison of stereoscopic and non-stereoscopic optic flow displays. *VSS Journal of Vision*, 1(3), 317a, <http://journalofvision.org/1/3/317>, DOI 10.1167/1.3.317.
61. Zikovitz DC, Jenkin M, Harris LR (2001) Amplitude of self motion perception unaffected by the relative direction of visual and physical motion. *ECVP (Turkey)* [Perception 30: 28a](#)

62. Kopinska A, Harris, L.R. (2001). Perceptual space coded in body coordinates. *VSS Journal of Vision*, 1(3), 143a, <http://journalofvision.org/1/3/143>, DOI 10.1167/1.3.143.
63. Robinson M, Laurence J, Zacher J, Hogue A, Allison R, Harris LR, Jenkin M, Stuerzlinger W. (2001) Growing IVY: Building the Immersive Virtual environment at York. *11th International Conference on Artificial Reality and Tele-existence* (<http://www.ic-at.org>)
64. Jaekl, P.M., Allison, R.S., Harris, L.R., Jasiobedzka, U.T., Jenkin, H.L., Jenkin, M.R., Zacher, J.E. and Zikovitz, D.C. (2001) Perceptual Stability in Virtual Environments I: Stability during rotation. *Proceedings of the IRIS-PREARN 11th Annual Conference*.
65. Zikovitz, D.,C., Jenkin, M., Harris, L.R., Allison, R.S., Jaekl, P., Jasiobedzka, U., and Zacher, J.E.(2001) Perceptual Stability in Virtual Environments II: Stability during head translation. *Proceedings of the IRIS-PREARN 11th Annual Conference*.
66. Jasiobedzka, U., Jenkin, M., Harris, L.R., Allison, R.S., Jaekl, P., Zacher, J.E., Jenkin, H., and Zikovitz, D.C. (2001) Perceptual Stability in Virtual Environments III: Psychophysics in Microgravity. *Proceedings of the IRIS-PREARN 11th Annual Conference*.
- 2002**
67. Robinson M, Laurence J, Zacher J, Hogue A, Allison R, Jenkin M, Harris LR, Stuerzlinger W (2002) The IVY: The Immersive Virtual environment at York. (*Immersive Projection Technology Symposium at IEEE VR2002*)
68. Harris LR, Allison RS, Jaekl PM, Jenkin HL, Jenkin MR, Zacher JE, Zikovitz DC (2002). Extracting self-created retinal motion [Abstract]. *Journal of Vision*, 2(7), 509a, <http://journalofvision.org/2/7/509/>, DOI 10.1167/2.7.509.
69. Jaekl PM, Allison RS, Harris LR, Jenkin HL, Jenkin MR, Zacher JE, Zikovitz DC (2002). Judging perceptual stability during active rotation and translation in various orientations [Abstract]. *Journal of Vision*, 2(7), 508a, <http://journalofvision.org/2/7/508/>
70. Jenkin HL, Dyde R, Jenkin MR, Harris LR (2002) Judging the direction of 'above' in a tilted room. *ECVP Perception 31: 30*
71. Kopinska A, Harris LR (2002) Localizing light and sound in space_time. *Presented at Visual Localization in Space-Time. Sussex. UK*
72. Harris LR, Jenkin HL, Dyde RT, Kaiserman J, Jenkin M (2002). Relative role of visual and non-visual cues in judging the direction of 'up': experiments in the York tumbled room facility *Presented at The Role of the Vestibular Organs in the Exploration of Space. Portland, USA. Sept 26-29 Journal of Vestibular Research 11: 325-6 (N6.6)*
73. Jaekl P, Jenkin M, Zacher J, Harris LR (2002) Gravity and perceptual stability during head movement. *Presented at The Role of the Vestibular Organs in the Exploration of Space. Portland, USA. Sept 26-29 Journal of Vestibular Research 11: 329-330 (N7.7)*
74. Harris LR, Beykirch K, Fetter M. (2002) Modelling the orientation and gain of the Vestibulo-ocular reflex as the output of a three-channel system for each eye. *Presented at Vestibular Influences on Movement. Seattle, USA Sept 22-26 Journal of Vestibular Research 11: 204-5 (SP8.8)*
75. Jaekl P, Harris LR, Jenkin M (2002) The role of visual and vestibular cues in determining perceptual stability during head movement. *Presented at Vestibular Influences on Movement. Seattle, USA Sept 22-26 Journal of Vestibular Research 11: 197 (SP6.1)*

76. Harris LR, Jenkin HL, Dyde RT, Kaiserman J, Jenkin M (2002) Visual and vestibular cues in judging the direction of 'up'. *Presented at Barany XXII, Seattle, USA Sept 26-29* Journal of Vestibular Research 11: 307 (BP12.4)
77. Harris LR, Jaekl P, Jenkin M. (2002) Perceptual stability during head movement. *Presented at Barany XXII, Seattle, USA Sept 26-29* Journal of Vestibular Research 11: 250 (B18.4)

2003

78. Harris LR, Kopinska A, Duke P. (2003). Flash lag in depth. Journal of Vision, 3(9), 186a, <http://journalofvision.org/3/9/186/>, doi:10.1167/3.9.186.
79. Kopinska A, Harris LR, Lee I. (2003). Comparing central and peripheral events: compensating for neural processing delays. Journal of Vision, 3(9), 751a, <http://journalofvision.org/3/9/751/>, doi:10.1167/3.9.751.
80. Jenkin HL, Dyde RT, Zacher JE, Jenkin MR, Harris LR. (2003). Multi-sensory contributions to the perception of up: Evidence from illumination judgements. Journal of Vision, 3(9), 638a, <http://journalofvision.org/3/9/638/>, doi:10.1167/3.9.638.
81. Jaekl PM, Jenkin MR, Dyde RT, Harris LR. (2003). Perceptual stability during active and passive head translation: variations with direction. Journal of Vision, 3(9), 492a, <http://journalofvision.org/3/9/492/>, doi:10.1167/3.9.492.
82. Jaekl P, Zikovitz DC, Jenkin MR, Jenkin HL, Zacher JE, Harris LR (2003) Gravity and perceptual stability during translational head movement on earth and in microgravity. (Humans in Space 2003)
83. Jenkin HL, Dyde RT, Zacher JE, Zikovitz DC, Jenkin MR, Allison RS, Howard IP, Harris LR (2003) The relative role of visual, gravity and body cues in judging the direction of 'up': Experiments in the York tilted room and in parabolic flight.(Humans in Space 2003)
84. Jenkin HL, Dyde RT, Jenkin MR, Harris LR (2003) In virtual reality, which way is up? IC_AT (Tokyo)

2004

85. Harris LR, Jenkin MR, Dyde RT, Jenkin HL (2004) Failure to update spatial location correctly using visual cues alone. J.Vision, 4(8), 381a, <http://journalofvision.org/4/8/381/>, doi:10.1167/4.8.381.
86. Jenkin HL, Dyde RT, Jenkin MR, Harris LR (2004) The perceived direction of "up" measured using shape-from-shading in a virtual environment. Journal of Vision, 4(8), 384a, <http://journalofvision.org/4/8/384/>, doi:10.1167/4.8.384
87. Dyde RT, Sadr S, Jenkin M, Jenkin HL, Harris LR (2004) The perceived direction of "up" measured using a p/d letter probe. J. Vision, 4(8), 385a, <http://journalofvision.org/4/8/385/>, doi:10.1167/4.8.385.
88. Barnett-Cowan M, Dyde R, Harris LR (2004) Torsional eye movement evoked by vertical translation: the influence of physically and visually defined gravity, and of eccentric gaze. Barany Society. J. Vest. Res.14: 173-4
89. Harris LR, Dyde RT, Sadr S, Jenkin M, Jenkin HL (2004) Visual and vestibular contributions to the perceived direction of "up". Barany Society. J. Vest. Res. 14: 200-1
90. Harris LR, Dyde RT, Sadr S, Jenkin M, Jenkin HL (2004) Cross-modal contributions to perceived direction of "up". Multisensory Research Forum (Barcelona)

91. Jaekl PM, Harris LR (2004) Perceptual stability as a cross-modal comparison. Multisensory Research Forum (Barcelona)
92. Harrar V, Harris LR (2004) The perceived timing of visual and tactile stimuli applied to the foot and finger. Multisensory Research Forum (Barcelona)
93. Barnett-Cowan M, Dyde R, Harris LR (2004) Torsional eye movement evoked by vertical translation: the influence of physically and visually defined gravity, and of eccentric gaze. Siena Meeting.
94. Jenkin HL, Dyde RT, Jenkin MJ, Harris LR (2004) Pitching up in VR. ICAT 2004 **2005**
95. Dyde RT, Jenkin M, Harris LR (2005) Cues that determine the perceptual upright: visual influences are dominated by high spatial frequencies. VSS (Sarasota) Journal of Vision, 5(8), 193a, <http://journalofvision.org/5/8/193/>, doi:10.1167/5.8.193.
96. Harris LR, Dyde RT, Jenkin MR (2005) The use of visual and non-visual cues of in updating the perceived position of the world during translation. SPIE (California)
97. Harrar V, Winter R, Harris LR (2005) Multimodal apparent motion. IMRF (Italy)
98. Jaekl P, Harris LR (2005) A direct measurement of auditory-visual temporal integration. IMRF (Italy)
99. Harris LR, Dyde RT, Jenkin MR (2005) Visual, vestibular and body cues to upright are weighted according to statistical inference. IMRF (Italy)
100. Harris LR, Harrar V, Jaekl P, Kopinska A (2005) A three-stage mechanism for simultaneity constancy. ASSC (California)
101. Harrar V, Winter R, Harris LR (2005) Multimodal apparent motion. ASSC (California)
102. Jaekl P, Harris LR (2005) A direct measurement of auditory-visual temporal integration. ASSC (California)

2006

103. Jenkin HL, Zacher JE, Harris LR (2006) Does the levitation illusion depend on the view seen or the scene viewed? <http://journalofvision.org/6/6/185/>
104. Harris LR, Dyde RT, Jenkin M (2006) Where's the floor? <http://journalofvision.org/6/6/731/>
105. Dyde RT, Jenkin MR, Jenkin H, Zacher J, Harris LR (2006) The role of visual background orientation on the perceptual upright during microgravity. <http://journalofvision.org/6/6/183/>
106. Sanderson J, Kalsey J, Oman CM, Harris LR (2006) Measuring and attenuating head-movement induced oscillopsia. Submitted to the 7th Symposium on the role of the vestibular organs in Space (Noordwijk, Holland)
107. Dyde RT, Jenkin H, Jenkin M, Zacher J, Harris LR (2006) The role of visual background orientation on the perceptual upright during microgravity. Submitted to the 7th Symposium on the role of the vestibular organs in Space (Noordwijk, Holland)
108. Dyde RT, Jenkin M, Harris LR (2006) Measuring the perceptual upright while manipulating body orientation, the orientation of the visual background and the direction of gravity. Submitted to the 7th Symposium on the role of the vestibular organs in Space (Noordwijk, Holland)

109. Jenkin H, Zacher J, Oman CM, Harris LR (2006) Does the levitation illusion depend on the view seen or the scene viewed?" Submitted to the 7th Symposium on the role of the vestibular organs in Space (Noordwijk, Holland)
110. Harris LR, Dyde RT, Oman CM, Jenkin M (2006) Visual cues to the direction of the floor. Submitted to the 7th Symposium on the role of the vestibular organs in Space (Noordwijk, Holland)
111. Jaekl P, Harris LR. (2006) Drifts of the remembered location of visual, auditory and bimodal targets. Presented at the [International Multisensory Research Forum](#) (Dublin, Ireland) June 18 - 21
112. Harris LR, Salavati B, Jaekl P (2006) Visual and auditory cues for localization combine in a statistically optimal way. Presented at the [International Multisensory Research Forum](#) (Dublin, Ireland) June 18 - 21
113. Harrar V, Harris LR (2006) Assessing multisensory temporal cues for motion perception. Presented at the [International Multisensory Research Forum](#) (Dublin, Ireland) June 18 - 21
114. Barnett-Cowan M, Harris LR (2006) Visual and vestibular cues for self-orientation influence oculomotor and perceptual assessments of the internal representation of gravity and body orientation. Presented at the [International Multisensory Research Forum](#) (Dublin, Ireland) June 18 - 21
115. Harrar V, Harris LR (2006) Assessing multisensory temporal cues for figure-ground segregation Presented at the [Association for the Scientific Study of Consciousness](#).(Oxford, UK) June 23-26

2007

116. Harris, L., Dyde, R., & Jenkin, M. (2007). The relative contributions of the visual components of a natural scene in defining the perceptual upright. *Journal of Vision*, 7(9):303, 303a, <http://journalofvision.org/7/9/303>
117. Dyde, R., & Harris, L. (2007). A (nother) new way to measure up: the oblique derived subjective visual vertical. *Journal of Vision*, 7(9):300, 300a, <http://journalofvision.org/7/9/300>
118. Lappe, M., Jenkin, M., & Harris, L. (2007). Visual odometry by leaky integration [Abstract]. *Journal of Vision*, 7(9):147, 147a, <http://journalofvision.org/7/9/147>
119. Laurel J. Trainor, Xiaoqing Gao, Jing-jiang Lei, Karen Lehtovaara, Laurence R. Harris (2007) The Primal Role of the Vestibular System in Determining Musical Rhythm. Presented at the Society for Music Perception and Cognition, Montreal, Canada July 2007.
120. Rebecca Winter, Laurence Harris, Vanessa Harrar, Marta Gozdzik (2007) The perceived timing of the active and passive components of a touch. Canadian Association for Neuroscience, Toronto, Ont. May 2007
121. Harrar, Sturm, Harris (2007) Mirror thing. Canadian Association for Neuroscience, Toronto, Ont. May 2007
122. Michael Barnett-Cowan Harris LR (2007) Orientation in Parkinson Patients. Canadian Association for Neuroscience, Toronto, Ont. May 2007
123. Jean Francois Nankoo (2007) Orientation of Orang Utans. Canadian Association for Neuroscience, Toronto, Ont. May 2007
124. Rebecca Winter, Laurence Harris, Vanessa Harrar, Marta Gozdzik (2007) The perceived

- timing of the active and passive components of a touch. Presented at the [International Multisensory Research Forum](#) in Sydney, Australia. July 2007
125. Phil Jaekl, Laurence Harris (2007) Auditory-visual temporal binding occurs in the face of a mask. [International Multisensory Research Forum](#) in Sydney, Australia. July 2007
126. Harrar V, Sturm A, Harris LR (2007) Using a mirror to separate visual and proprioceptive cues to limb position. Presented at the [International Multisensory Research Forum](#) in Sydney, Australia July 2007
127. Trainor L, Harris LR. (2007) Vestibular stimulation. Submitted to the [International Multisensory Research Forum](#) in Sydney, Australia July 2007
128. Barnett-Cowan M, Sanderson J, Dyde RT, Fox SH, Hutchison WD, Harris LR (2007) The subjective visual vertical and the perceptual upright in Parkinson's disease. [Society for Neuroscience Abstracts 33: 369.4/R15](#)
129. Barnett-Cowan M, Thompson C, Sanderson J, Dyde RT, Harris LR (2007) The subjective visual vertical and the perceptual upright in males and females. [Perception 36: S206-207](#).
130. Jenkin H, Barnett-Cowan M, Islam A, Mazour E, Sanderson J, Dyde RT, Jenkin MR, Harris LR (2007) The effect of tilt on the perceptual upright. [Perception 36: S208](#).

2008

131. Haji-Khamneh B, Dyde RT, Sanderson J, Jenkin MR, Harris LR (2008) How long does it take for the visual environment to influence the perceptual upright? *Journal of Vision*, 8(6):651, 651a <http://journalofvision.org/8/6/651/>
132. Smith KW, Harris LR, Steeves JKE (2008). Strategy for visual scanning of faces varies with the degree of Asperger Syndrome traits. *Journal of Vision*, 8(6):709, 709a, <http://journalofvision.org/8/6/709/>
133. Balaban DY, Barnett-Cowan M, Sanderson J, Harris LR (2008) Blood pressure response to roll depends on both visual and non-visual factors. *Journal of Vision*, 8(6):1064, 1064a <http://journalofvision.org/8/6/1064/>
134. Jenkin, H., Barnett-Cowan, M., Dyde, R., Sanderson, J., Jenkin, M., & Harris, L. (2008). Left/right asymmetries in the contribution of body orientation to the perceptual upright. *Journal of Vision*, 8(6):1062, 1062a, <http://journalofvision.org/8/6/1062/>
135. Smith KW, Harris LR, Steeves JK (2008) Strategy for visual scanning of faces varies with the degree of Asperger Syndrome traits Canadian Association of Neuroscience Conference, May 28, 2008, Montreal Quebec
136. Harrar, V., Harris, L.R. (2008) The perceived location of a touch shifts with eye position. [International Multisensory Research Forum](#) Hamburg
137. Barnett-Cowan, M., Harris, L.R. (2008) The timing of the vestibular sense. [International Multisensory Research Forum](#), Hamburg
138. Dyde RT, Harris LR (2008) Differences in orientation judgements made in upper and lower visual space point to upper visual space being specialised for perceptual vision. [Perception 37 ECVF Abstract Supplement, page 141](#)

2009

139. Harrar V, Frissen I, Harris LR (2009) Tactile localization is affected by simultaneously presented visual stimuli. *Journal of Vision*, 9(8):711, 711a, <http://journalofvision.org/9/8/711/>, doi:10.1167/9.8.711.

140. Dyde RT, Jenkin MR, Jenkin HL, Zacher JE, Harris LR. (2009) The effect of lunar gravity on perception: ambient visual cues have less effect on orientation judgements than they do on earth. *Journal of Vision*, 9(8):700, 700a, <http://journalofvision.org/9/8/700/>, doi:10.1167/9.8.700.
141. Jenkin HL, Zacher JE, Dyde RT, Harris LR, Jenkin MRM (2009) How do SCUBA divers know which way is up? The influence of buoyancy on orientation judgements. *Journal of Vision*, 9(8):716, 716a, <http://journalofvision.org/9/8/716/>, doi:10.1167/9.8.716.
142. Hoover A, Harris LR, Steeves JKE (2009) The effect of binocular and monocular viewing on sound localization. IMRF (New York)
143. Harrar V, Harris LR (2009) The effects of arm and eye position on the perceived location of touches on the arm. IMRF (New York)
144. Barnett-Cowan M, Harris LR (2009) Vestibular perception is slow. IMRF (New York)
- 2010**
145. Dearing R, Harris LR, Dyde RT (2010) The contribution of left and right visual fields to perceived orientation. *VSS J Vis August 2, 2010 10(7)*: 865; doi:10.1167/10.7.865
146. Dyde RT, Zacher JE, Jenkin M, Jenkin H, Harris LR (2010) Perceptual orientation judgements in astronauts: pre-flight results. *VSS J Vis August 2, 2010 10(7)*: 869; doi:10.1167/10.7.869
147. Hoover AEN, Harris LR, Steeves JKE (2010) Viewing condition shifts the perceived auditory soundscape. *VSS J Vis August 2, 2010 10(7)*: 880; doi:10.1167/10.7.88
148. Hoover AEN, Harris LR, Steeves JKE (2010) The effect of monocular vision (temporary and permanent) on auditory localization. IMRF (June, Liverpool)
149. Pritchett LM, Harris LR (2010) Both head and eye position affect the perceived location of a touch on the arm. IMRF (Liverpool)
150. Barnett-Cowan M, Dyde RT, Fox SH, Moro E, Hutchison WD, Harris LR (2010) The 'impaired' internal representation of the body in Parkinson's disease. IMRF (Liverpool)
151. Harris LR, Herpers R, Jenkin M, Allison R, Jenkin H, Kapralos B, Scherfgen D, Boronas S (2010) The perception of linear self motion induced by a virtual reality display while viewing eccentrically. IMRF (Liverpool)
152. Jaekl P, Harris LR, Soto-Faraco S (2010) Audiovisual timing may influence perceived object distance. IMRF (Liverpool)
153. Harris LR (2010) Virtual reality investigations into self motion and orientation perception. The 7th International Conference on Cognitive Science.(Beijing, China)
- 2011**
154. Harris LR, Jenkin M, Jenkin H, Zacher JE, Dyde RT (2011) Sensory weighting in space: The Bodies in the Space Environment (BISE) experiment. *J. Vest.Res 21: (2) 72* (abstract 2-6). Presented at the Eighth Symposium on the role of the vestibular organs in space exploration, Houston, TX April 8-10
155. Dyde RT, MacKenzie K, Harris LR (2011) "How well do you know the back of your hand? Reaction time to identify a rotated hand silhouette depends on whether it is interpreted as a palm or back view." *J Vis September 23, 2011 11(11)*: 868; doi:10.1167/11.11.868

156. Hoover AEN, Harris LR (2011) "Perspective modulates temporal synchrony discrimination of visual and proprioceptive information in self-generated movements" *i-Perception* 2(8) 926
157. Pritchett LM, Carnevale M, Harris LR (2011) "Head displacement shifts the perceived location of touches in opposite directions depending on the task" *i-Perception* 2(8) 825
158. Pritchett LM, Harris LR (2011) "Digging up von Békésy: Funneling of touches around the body" *i-Perception* 2(8) 798
159. Harris LR, Hoover AEN, Pritchett LM, Harrar V (2011) "Visual and proprioceptive contributions to the perception of one's body" *i-Perception* 2(8) 885
160. Harris LR (2011) Visual and proprioceptive contributions to the perception of one's own body in space and time. Invited presentation to Workshop on multi-sensory space perception (Italian Institute of Technology, Sestri Levante 19-21 July)
161. Harrar V, Pritchett LM, Harris LR "The reference frame for touch depends on the task" Poster presentation at Bernstein Symposium Cluster D: Multisensory perception and action in Tübingen, Germany, Sept 2011. <http://www.bccn-tuebingen.de/events/bernstein-symposium-series-2011/symposium-d.html>
162. Martin, B and Harris, L.R., 2011. The effects of secondary task interference on elbow joint matching tasks, Society for Neuroscience, Washington, DC
- 2012**
163. Hoover AEN, Harris LR (2012) Varying the visual perspective in which head and finger movement is seen affects cross-modal synchrony detection. *VSS, Journal of Vision*, 12(9): 1315
164. Pritchett LM, Carnevale MJ, Harris LR (2012) Visual coding of touch: Gaze direction affects perceived location of touches to the arm, torso, and head. *Journal of Vision* 12 9 1318
165. Martin B, Harris LR (2012) Multisensory task action strategies affect arm placement. *International Multisensory Research Forum*. Oxford, U.K., June 19-22, 2012. Abstract in *Seeing and Perceiving*, 25(supplement), 37
166. Harris LR, D'Amour S, Pritchett LM (2012) Two-point touch discrimination depends on the perceived length of the arm. *International Multisensory Research Forum*. Oxford, U.K., June 19-22, 2012. Abstract in *Seeing and Perceiving*, 25(supplement), 126
167. Hoover AEN, Harris LR (2012) Greater sensitivity in detecting cross-modal asynchrony for body parts that are seen most often. *International Multisensory Research Forum*. Oxford, U.K., June 19-22, 2012. Abstract in *Seeing and Perceiving*, 25(supplement), 197
168. Mander C, Harris LR (2012) An interaction between body orientation and gravity produces a novel illusion in visual distance perception. *International Multisensory Research Forum*. Oxford, U.K., June 19-22, 2012. Abstract in *Seeing and Perceiving*, 25(supplement), 116
169. Carnevale M, Pritchett LM, Harris LR (2012) The effect of eccentric gaze on tactile localization on areas of the body that cannot be seen. *International Multisensory Research Forum*. Oxford, U.K., June 19-22, 2012. Abstract in *Seeing and Perceiving*, 25(supplement), 103

170. Pritchett LM, Carnevale M, Harris LR (2012) Body and gaze centered coding of touch locations during a dynamic task. *International Multisensory Research Forum*. Oxford, U.K., June 19-22, 2012. Abstract in *Seeing and Perceiving*, 25(supplement), 195
171. Murray RF., Morgenstern Y, Harris LR (2012). How to combine direction cues optimally. *International Multisensory Research Forum*. Oxford, U.K., June 19-22, 2012. Abstract in *Seeing and Perceiving*, 25(supplement), 138.
172. Murray RF, Morgenstern Y, Harris LR (2012). How to combine direction cues optimally. *Multisensory Integration Meeting*. Birmingham, U.K., June 11, 2012.
173. Steeves JKE, Moro SS, Kelly KR, Harris LR (2012) Altered audiovisual processing following the loss of one eye early in life. *Society for Neuroscience (New Orleans)*
174. Harris LR, Herpers R, Jenkin M, Allison RS, Jenkin H, Kapralos B, Scherfgen D, Felsner S. (2012) *UniSociety for Neuroscience (New Orleans)*
175. Mullin CR, Harris LR, Steeves JKE (2012) The effect of TMS to brain body areas on the factors contributing to the perceptual upright. *Society for Neuroscience (New Orleans)*
176. Moro SS, Harris LR, Steeves JKE (2012) Audiovisual integration in people with one eye. *Society for Neuroscience (New Orleans)*
- 2013**
177. Harrar V, Spence C, Harris LR (2013) The effect of temporal adaptation on actions to integrated multisensory stimuli. *Corfu. Timely workshop*. <http://www.timely-cost.eu/>
178. Mander C, Harris LR (2013) The effect of body orientation on the perception of depth. *VSS. Naples, Florida*
179. Moro S, Harris LR, Steeves JKE (2013) Audition dominates vision after loss of one eye early in life when the systems are in competition but not when they are integrated. *XIV Biennial Meeting of the Child Vision Research Society, Waterloo, Ontario* <http://www.regonline.ca/builder/site/default.aspx?EventID=1030927>
180. Pritchett LM, Carnevale M, Harris LR (2013) Effects of head orientation on tactile localization. *Canadian Association for Neuroscience Conference, Toronto*
181. D'Amour S, Pritchett LM, Harris LR (2013) Two-point touch discrimination and tactile sensitivity depends on the perceived length of the arm. *Canadian Association for Neuroscience Conference, Toronto*
182. Harris LR, Jenkin M (2013) The effect of prolonged bedrest on the perceptual upright. *Canadian Association for Neuroscience Conference, Toronto*
183. Byrne P, Hashemi B, Harris LR (2013) How does the brain know how well it knows what it knows? *Canadian Association for Neuroscience Conference, Toronto*
184. Harris LR, Jenkin M, Hofhammer T, Herpers R (2013) The effect of gravity on the perceptual upright: centrifuge experiments. *Humans in Space*, Cologne, Germany July 7-12
- 185.** Harris LR, D'Amour S, Pritchett LM, Carnevale MJ, Harrar V (2013) Representing the body in the brain: Effects of body distortion on somatosensory processing *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research* 26: (suppl) 28
186. D'Amour S, Harris LR (2013) Distortions of the perceptual body affect basic tactile properties *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research* 26: (suppl) 131

187. Mander C, Harris LR (2013) Visual and vestibular orientation cues interact to influence perceived depth *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research 26: (suppl)* 172
188. Carnevale MJ, Harris LR (2013) The contribution of sound in determining the perceptual upright *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research 26: (suppl)* 125
189. Fraser L, Harris LR (2013) Combining visual and haptic cues when judging a rod's verticality *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research 26: (suppl)* 136
190. Pritchett LM, Harris LR (2013) Stable body-centered coding of touch on the back *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research 26: (suppl)* 193
191. Byrne P, Harris LR (2013) What the temporal dynamics of unimodal sensory estimation can tell us about statistically optimal multimodal integration. *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research 26: (suppl)* 124
192. Harrar V, Spence C, Harris LR (2013) Does temporal adaptation affect multisensory integration? *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research 26: (suppl)* 138
193. Moro S, Harris LR, Steeves JKE (2013) Audition dominates vision after loss of one eye early in life when the systems are in competition but not when they are integrated. *International Multisensory Research Forum*. Jerusalem, Israel. June 3-6. abstract in *Multisensory Research 26: (suppl)* 178
194. D'Amour S, Harris LR (2013) Vibrotactile masking across and through the body. *Society for Neuroscience*, San Diego, Nov Abstract# 73.20

2014

195. Fraser L, Makooie B, Harris LR (2014) Contributions of the body and head to perceived vertical: Cross-modal differences. Vision Sciences Society. St. Petersburg, Florida JOV 14.10.1097
196. Hoover A, Harris LR (2014) Galvanic vestibular stimulation disrupts the representation of self. IMRF 2014 Amsterdam
197. Carnevale M, Harris LR (2014) Reference frames used for binding visual motion and auditory pitch IMRF 2014 Amsterdam
198. Harris LR, Carnevale M (2014) What is the direction of up provided by "high" and "low" tones? IMRF 2014 Amsterdam
199. D'Amour S, Harris LR (2014) Arm position modulates long-distance tactile masking between the arms. IMRF 2014 Amsterdam
200. Fraser L, Harris LR (2014) Neck and head position influences on methods of determining the perceived direction of gravity. IMRF 2014 Amsterdam
201. Harrar V, Frenz H, Harris LR, Lappe M (2014) Peri-saccadic shift of touches on the skin. IMRF 2014 Amsterdam
202. Harris LR, Fraser L, Makooie B (2014) Vestibular and neck proprioceptive contributions to the perceived vertical. APCV Japan. I-Perception 5:441
203. Harrar V, Harris LR, Lappe M (2014) Remapping of touches on the skin during saccades. Society for Neuroscience, Washington. Abstract 13337

2015

204. Harris LR, Beaudolt W, Kenzo K (2015) Tactile Flow. IMRF Pisa, Italy
205. D'Amour S, Harris LR. (2015) Face size perception in healthy adults depends on orientation IMRF Pisa, Italy
206. Pritchett LM, Harris LR (2015) Does Gaze Position Attract or Shift Touch Localization? Data from Three Response Methods IMRF Pisa, Italy
207. Fraser L, Harris LR (2015) Perceived hand orientation is further distorted by disruptive vestibular input IMRF Pisa, Italy
208. Harris LR, McManus M. (2015) The role of the periphery in self-motion. CSBBCS (Ottawa)
209. McManus M, Harris LR. (2015) The role of the periphery in self-motion. IMRF Pisa, Italy
210. Elzein Y, Harris LR. (2015) Does disrupting the vestibular system affect tactile localization? IMRF Pisa, Italy

2016

211. Fraser LE, Harris LR (2016) Errors in perceived finger orientation: the effect of vestibular disruption. Canadian Association for Neuroscience, Toronto
212. Elzein Y, Harris LR (2016) Motion induced blindness is attenuated by vection. Canadian Association for Neuroscience, Toronto
213. McManus M, Harris LR (2016) Gravity can influence perceived linear acceleration. Canadian Association for Neuroscience, Toronto
214. Hoover AEN, Harris LR (2016) Projecting yourself into a TV screen. Canadian Association for Neuroscience, Toronto
215. D'Amour S, Harris LR (2016) Visual orientation of the face and arm determines perceived size. Canadian Association for Neuroscience, Toronto
216. Elzein Y, Harris LR (2016) Reinterpreting visual motion as self-motion reduces motion-induced-blindness. IMRF Suzhou
217. Fraser LE, Harris LR (2016) Galvanic vestibular stimulation shifts perceived finger orientation. IMRF Suzhou
218. McManus M, Harris LR (2016) Gravity may influence perceived linearly accelerating vection. IMRF Suzhou
219. D'Amour S, Harris LR (2016) Assessing accuracy of perceived arm, hand, and palm size in healthy participants. IMRF Suzhou
220. D'Amour S, Harris LR (2016) Perceived size of the face and arm depends on visual Orientation. Abstract # 36.4111 Vision Sciences Society, St Pete's Beach, Florida <http://jov.arvojournals.org/article.aspx?articleid=2550721&resultClick=1>
221. Belkis Ezgi Arikian, Bianca M. van Kemenade, Benjamin Straube, Laurence Harris, Tilo Kircher (2016) The window of simultaneity widens around the time of an active or passive action. *Perception* 45 (2) suppl. 3P110 (page 243). ECVP, Barcelona <http://journals.sagepub.com/doi/pdf/10.1177/0301006616671273#243>
222. Rushton S K, Elzein Y, Harris LR (2016) Does self-movement silence change detection? *Perception* 45 (2) suppl. 4P098 (page 327). ECVP, Barcelona <http://journals.sagepub.com/doi/pdf/10.1177/0301006616671273#327>
223. Lauzon AP, Russo FA, Harris LR (2016) [There's something about that groove: Rhythm improves detection of audio but not vibrotactile asynchronies](#) *Canadian Acoustics* 44, 3

2017

224. Harrar V, Harris LR, Spence C Multisensory synchrony in perception and action. Invited talk presented at *Rethinking the Senses* in Glasgow, UK, February 2017. <http://www.gla.ac.uk/schools/humanities/research/philosophyresearch/cspe/projects/rethinking-the-senses/synchronising-the-senses/>
225. Lauzon AP, Russo FA, Harris LR (2017) There's something about that groove. The influence of rhythm, on detection of auditory and vibrotactile asynchronies. Neural Enhancement of Rhythm Dynamics (NERD <http://grahnlab.com/nerd/>) June 14, Boston. https://www.youtube.com/watch?v=f_PMt6V20p4
226. D'Amour S, Harris LR (2017) Full body size perception in healthy adults depends on viewpoint. IMRF Vanderbilt University
227. Fraser LE, Harris LR (2017) Asymmetric bias in perceived finger orientation across hands in right-handers, but not left-handers. IMRF Vanderbilt University
228. McManus M, Harris LR (2017) Linearvection is enhanced during visual reorientation illusions. IMRF Vanderbilt University
229. Elzein Y, Harris LR (2017) Background motion caused by self-motion does not cause motion-induced blindness. IMRF Vanderbilt University
230. D'Amour S, Harris LR (2017) Full body size perception in healthy adults depends on viewpoint. CVR conference (York University)
231. Elzein Y, Harris LR (2017) Background motion caused by self-motion does not cause motion-induced blindness. CVR conference (York University)
232. D'Amour S, Alexe D, Lim I, Harris LR (2017) Body size perception in healthy adults can be manipulated using galvanic vestibular stimulation and distorted visual exposure. Talk presented at the *Science of the Self* conference in Sydney, Australia (November)
233. Harris LR, Lim Y-S, Alexe D, D'Amour S. (2017) Baseline perceived size of the arm, hands, palm, and full body in healthy adults. Poster presented at the *Science of the Self* conference in Sydney, Australia (November)

2018

234. Kim J, Harris LR (2018) Perceived size during visually simulated self-motion. Vision Sciences Society <https://jov.arvojournals.org/article.aspx?articleid=2699781>
235. McManus M, Chen J, Harris LR, Gegenfurtner K (2018) The Neural Correlate Of Size Constancy Measured With SSVEP In Virtual Reality. Vision Sciences Society <https://jov.arvojournals.org/article.aspx?articleid=2699247>
236. Harris LR, Felsner S, Jenkin M, Herpers R, Noppe A, Frett T, Scherfgen D (2018) Gender bias in the influence of gravity on perception. Vision Sciences Society <https://jov.arvojournals.org/article.aspx?articleid=2699782>
237. Harris LR, Jenkin M, Allison R, McManus M, Bury N (2018) The CSA VECTION project: interpreting visual acceleration in microgravity. ASTRO conference, Quebec <https://casi.ca/ASTRO-2018-Papers>
238. D'Amour S, Alexe D, Lim I, Harris LR (2018) Body size perception in healthy adults can be manipulated using galvanic vestibular stimulation and distorted visual exposure. IMRF 2018
239. Harris LR, Moro SS (2018) Vestibular-somatosensory interactions affect the perceived timing of tactile stimuli. IMRF 2018

240. Arikan E, Kircher T, Harris LR (2018) Sensory gating for unimodal and bimodal stimuli during voluntary movement. 44th Conference 'Psychology and the Brain', Justus Liebig University, Giessen, Germany, May 31-June 2, 2018.
241. Bury N, Harris LR, Bock O. Inter-individual differences between action and perception for the habitual subjective vertical. CSBBSC, Newfoundland.
242. Bury N, Harris LR, Bock O. The use of egocentric and gravicentric cues to perceived vertical in the absence of tactile cues. IMRF Toronto. 2018
243. Fraser LE, Harris LR. Your perceived finger orientation depends on whether you move it yourself. IMRF Toronto. 2018
244. McManus M, Harris LR. Is linearvection enhanced when perceived upright is orthogonal to gravitational upright? IMRF Toronto. 2018
245. Kim J, Harris LR. Distance perception of an object that moves with you. IMRF Toronto. 2018
246. Campos JL, Gnanasegaram J, Harris LR, Cushing S, Gordon K, Haycock B, Gabriel G. Vestibular sensitivity in older adults and individuals with age-related hearing loss. IMRF Toronto. 2018
247. Fraser LE, Harris LR, Fiehler K. Predicted reach consequences drive time course of tactile suppression CSBBSC Newfoundland. 2018
248. McManus M, Harris LR Visual self-motion through a virtual environment is modulated by perceived body orientation relative to earth vertical. CSBBSC Newfoundland. 2018
249. Kim J, Harris LR Updating Perceived Distance during Self-Motion CSBBSC Newfoundland. 2018
250. Harrar V, Spence C, Harris LR, Faubert J, Doti R, Lugo E. Multisensory synchrony in perception and action. CSBBSC Newfoundland. 2018
251. Bury N, Harris LR, Bock O. Inter-individual differences between action and perception for habitual subjective vertical. CSBBSC. Newfoundland. 2018

2019

252. Herpers R, Harris LR, McManus M, Hofhammer T, Noppe A, Frett T, Jenkin M and Scherfgen D (2018). The somatogravic illusion during centrifugation: sex differences. *Front. Physiol. Conference Abstract: 39th ISGP Meeting & ESA Life Sciences Meeting*. doi: 10.3389/conf.fphys.2018.26.00025
https://www.frontiersin.org/10.3389/conf.fphys.2018.26.00025/event_abstract
253. McManus M, Harris LR When gravity is not where it should be: effects on perceived self-motion. VSS. Florida. 2019
254. Kim J, Harris LR Updating the position of eccentric targets during visually-induced lateral motion. VSS. Florida. 2019
255. Garapick RK, Unwalla K, D'Amour S, Harris LR, Shore DI. Vestibular contribution to the crossed-hands deficit. BBCS Waterloo 7-9 June
256. Gabriel G, Gnanasegaram J, Harris LR, Cushing S, Gordon K, Pchora-Fuller MK, Haycock B, Campos JL Vestibular sensitivity in older adults with and without age-related hearing loss. Lake Ontario Vision Establishment Conference. Feb 2019.
257. McManus M, Harris LR. Perceived self-motion during a visual reorientation illusion CAPNET satellite. Toronto. May 26, 2019

258. D'Amour S, Harris LR. Manipulating perceived body size in healthy adults using galvanic vestibular stimulation and altered visual feedback. CAPNET satellite. Toronto. May 26, 2019
259. Bury N, Harris LR. Which somatosensory cue affects the perception of self-motion? CAPNET satellite. Toronto. May 26, 2019
260. McManus M, Harris LR. Manipulating perceived body size in healthy adults using galvanic vestibular stimulation and altered visual feedback. York conference. Toronto. June 2019
261. D'Amour S, Harris LR. Manipulating perceived body size in healthy adults using galvanic vestibular stimulation and altered visual feedback. York conference. Toronto. June 2019
262. Bury N, Harris LR. Human Vision: does lack of tactile cues affect the perception of visually evoked self-motion? York conference. Toronto. June 2019
263. Gabriel G, Gnanasegaram J, Harris LR, Cushing S, Gordon K, Pchora-Fuller MK, Haycock B, Campos JL Vestibular sensitivity in older adults with and without age-related hearing loss. International Hearing Loss Conference. Niagara Falls. May 2019.
264. Bury N, Hussain M, McManus M, Harris LR. Visual Reorientation Illusions on Earth – comparison of different assessment techniques. Society for Neuroscience. Nov 2019.

INVITED COLLOQUIA

| | | |
|------|------|---|
| 1979 | June | Kenneth Craik Club, Cambridge UK |
| 1981 | May | Dalhousie University, Halifax, Nova Scotia, Canada (Cynader) |
| 1981 | | Dept. Neurology, McGill University, Montreal (Guitton) |
| 1981 | | Dept. Physiology, University of Seattle (Fuchs) |
| 1981 | | Dept. Psychology, University of Durham, Durham, UK |
| 1981 | | Dept. Physiology, Liverpool University, UK (Latto) |
| 1982 | | Kenneth Craik Club, Cambridge, UK (??) |
| 1982 | Sept | Dept. Physiology, University of Glasgow (Morris) |
| 1982 | | MRC Research Unit, UCL, London, UK (Steele-Russell) |
| 1982 | Sept | Dept Physiology, University of Edinburgh (Dutia) |
| 1983 | | Dept. Psychology, Sussex (King/Darwin) |
| 1983 | | Dept. of Neuroscience and Communications, Keele University, (Evans) |
| 1984 | | Dept of Psychology, Durham (Findlay) |
| 1984 | | Dept. Ophthalmology, University Hospital, The Strand, London, UK (Crawford) |
| 1984 | Sept | Max Planck Institut, Tübingen, Germany (Rauschecker) |
| 1984 | | From Cornea to Cortex, University of Wales, Cardiff, UK (Woodhouse) |
| 1984 | Sept | Free University of Berlin, Germany (Grüsser) |
| 1984 | | Steglitz Klinik, Berlin, Germany (Clarke) |
| 1984 | | NASA Ames, Moffett Fields, California, USA (Tomko) |
| 1985 | | Keynote speaker, BASICS, Banff, Alberta, Canada (Raymond) |

- 1985 Man-Vehicle Lab, MIT, Cambridge, USA (Young)
- 1985 From Cornea to Cortex, University of Wales, Cardiff, UK (Woodhouse)
- 1987 Dept. Physiology, University of Oxford, Oxford, UK (Blakemore)
- 1989 Sept CNRS. Paris, France (Alain Berthoz)
- 1989 Dept. Psychology, York University, Toronto, Ont., Canada (Ian Howard)
- 1990 May University of Warwick, UK (Deborah Withington-Wray)
- 1992 YorkVis Discussion group, York University, Toronto, Ont., Canada
- 1991 Research Group in Perception, University of Toronto, Toronto (Allison Sekuler)
- 1991 May Dept. Ophthalmology, Waterloo University, Ont., Canada (Sue Leat)
- 1992 May Dept. Computer Science, University of Toronto (John Tsotsos)
- 1994 Dept. Psychology, Royal Holloway College, Univ. London, UK (Andy Smith)
- 1994 Dec 2 YorkVis Discussion group, York University, Toronto, Ont., Canada
- 1995 Research Group in Perception, University of Toronto, Toronto (Allison Sekuler)
- 1996 May Dept. Ophthalmology, Waterloo University, Ont., Canada (Robertson)
- 1997 Sept 16 Kenneth Craik Club, University of Cambridge, Cambridge, UK (Ada Pelah)
- 1997 Centre for Vision Sciences, Rochester University, US (Peter Lennie)
- 1997 Oct 10 Dept. Psychology, University d'Montreal, Quebec, Canada (St-Armour)
- 1998 Mar 17 Dept. Psychology, McMaster University, Hamilton, Ontario (Terri Lewis)
- 1998 Aug 14 YorkVis Discussion group, York University, Toronto, Ont., Canada
- 1998 Sept 7 Zoology & Neurobiology, Ruhr-University, Bochum, Germany (Markus Lappe)
- 1999 Nov 8 University of Tübingen, Germany (Michael Fetter)
- 1999 Nov 12 Max Planck Institut for Bio.Cybernetics, Tübingen, Germany (Heinrich Bülthoff)
- 2000 Feb 28 Dept. Biology, York University, Toronto, Canada (Lew)
- 2000 Sept 24 TNO, Soesterburg, The Netherlands (Eric Groen)
- 2000 Nov 26 Royal Canadian Institute Public Lecture, Toronto, Canada (Ken Davey)
- 2001 Nov Dept. Neurology, Univ. Pennsylvania, Pittsburgh, US (Dave Solomon)
- 2003 March Brown Bag Seminar, York University, Toronto, Canada (Luigi Bianchi)
- 2003 August Dept. Psychology, Univ. Alberta, Canada (Doug Wylie)
- 2003 Sept Dept. Psychology, Univ. Buffalo, USA (Jean-Pierre Koenig)
- 2004 May Dept. Psychology, Univ. Wales, Bangor, Wales (Jane Raymond)
- 2005 Sept Dept. Psychology, Royal Holloway College, Univ. London, UK (Andy Smith)
- 2006 Jan Dept. Psychology, McMaster University, Hamilton, Ont., Canada (Dave Shore)
- 2006 Jan Dept. Psychology, Univ. Toronto (Scarborough) (Matthias Neimeier)
- 2007 Feb 16 Dept. Kinesiology, York University, Toronto.
- 2008 July Dept. Psychology, Royal Holloway College, University of London
- 2008 Aug Canadian Space Agency, to CSA Educator Workshop
- 2009 Aug Canadian Space Agency, to CSA Educator Workshop
- 2009 Nov 10 Institut de Recherche et Coordination Acoustique/Musique, Paris, France (Isabelle Viaud-Delmon)
- 2010 Feb Universitat Bonn-Sieg-Rhein, Siegburg, Germany (Rainer Herpers)
- 2010 Feb Universitat Pompeu Fabra, Center for Brain and Cognition, Barcelona, Spain (Salvador Soto-Faracco)
- 2010 Aug Dept Psychology, University of Hong Kong, Hong Kong, China
- 2010 Aug Dept Psychology, Peking University, Beijing, China

- 2011 Oct Institut des Sciences du Mouvement, Faculté des Sciences du Sport,
Universite de la Mediterranee (Aix-Marseille II), France
- 2012 Jan Space Applications Inc., Bruxelles, Belgium
- 2012 Feb Universität Bonn-Sieg-Rhein, Siegburg, Germany (Rainer Herpers)
- 2012 Oct 3 Banting Research Talk, Western University, Ontario, Canada
- 2014 May Institute of Cognitive Neuroscience, University College, London (Patrick
Haggard)
- 2014 May Institute of Advanced Study, University of London (Ophelia Deroy)
- 2014 June Retreat for the IRTG, Wildbad Kreuth, Germany
- 2016 Feb Keynote speaker at LOVE (David Shore)
- 2016 Feb Keynote speaker at Queens Space Conference
- 2016 Sept Keynote at Driving Simulation Conference, Paris, Europe VR
- 2017 Jan Invited talk at the Science Museum, London
- 2018 Fall Invited talk for the Senior College, Univ. Toronto
- 2018 Oct Invited talk at “Crossmodal processing from physiology to behaviour” Paris
(Claudia Lunghi)
- 2018 Dec Invited seminar at McGill Vision Research, Montreal General Hospital, Montreal
- 2018 Dec Invited seminar at University of Ontario Institute of Technology, Oshawa
- 2019 ??? Invited presentation at the SCRAM event, York University, Toronto
- 2019 May Invited seminar at Bonn Rhein Sieg University “Prisoners of gravity”

MEDIA PRESENTATIONS

See: <http://www.yorku.ca/harris/media.html>

2002

- York Univ. Website Nov 7, “York researchers enjoying altered gravity states”
<http://www.yorku.ca/yfile/archive/index.asp?Article=388>

2004

- YORK Univ. Website Dec 14 York space researchers gather to meet, share ideas
<http://www.yorku.ca/yfile/archive/index.asp?Article=3764>
- YORK Univ. Website Feb 16 “Vision quest”
<http://www.yorku.ca/yfile/archive/index.asp?Article=2392>

2005

- Discovery channel Aired Friday Jan 28, 2005. Section on “The Daily Planet”; video online under the heading “Its all about perspective” at: <http://www.exn.ca/dailyplanet/>
- National Post (a Canadian national newspaper) on Sat Jan 29. Back page, (page A24) feature spread.
- SPACE Channel. Aired Feb, 2005
- CFTO/CTV Feb 4, 2005 Ian Slack was the reporter
- CSA Website feature 8 Nov 2005
- <http://www.asc-csa.gc.ca/eng/sciences/perception.asp>
- Euro Times May 2005 a publication of the ESCRS, circulated to 25,000 ophthalmologists across Europe and beyond. “Scientists study which way is up” by Pippa Wysong
- YORK website: Feb 2, 2005 “York professor seeks cues to 'up' and 'down'”
<http://www.yorku.ca/yfile/archive/index.asp?Article=3972>
- YORK web site Feb 1, 2005 “‘Sideways’ room probes how to keep astronauts oriented”
<http://www.yorku.ca/yfile/archive/index.asp?Article=3967>

2006

- CBC Jan 24 making a TV show for kids about disorientation and motion sickness. The show will be hosted by Bob McDonald from Quirks and Quarks.
- York Media Press Release
<http://www.yorku.ca/mediar/archive/Release.asp?Release=1140>
- http://www.yorku.ca/alumni/alumnimatters/nov-06/am_nov-06_zeroGravity.php
- York Oct 6th <http://www.yorku.ca/yfile/archive/index.asp?Article=7115>

2008

- Appeared on the Rick Mercer Show (<http://www.rickmercer.com>) demonstrating parabolic flight experiments.
- The appearance was picked up by York’s ‘yfile’
<http://www.yorku.ca/yfile/archive/index.asp?Article=11656>
- Article in **Journal of Vision** picked by the ‘Cognitive Daily’
http://scienceblogs.com/cognitivedaily/2008/12/whats_moving_you_the_backgroun.php
- Canadian Space Agency write-up (19 Dec 2008) of experiments that will take place in orbit in 2009. <http://www.asc-csa.gc.ca/eng/sciences/bise.asp>

- You can't believe your eyes . The Star. 13 Aug 2009
<http://vgrserver.cse.yorku.ca/~vgrlab/pdf/2008/thestaraug202008.pdf>

2009

- Y-file, March 27, 2009 Study subject heads to space station on York's 50th birthday
<http://yfile.news.yorku.ca/2009/03/27/study-subject-heads-to-space-station-on-yorks-50th-birthday/>
- Y-file May 28, 2009 York researchers study effects of spaceflight disorientation on Canadian astronaut <http://www.yorku.ca/yfile/archive/index.asp?Article=12685>
- Yfile March 27, 2009. Study subject heads to space station on York's 50th birthday
<http://vgrserver.cse.yorku.ca/~vgrlab/pdf/2009/yfilemarch272009.pdf>
- Y-file July 17, 2009 Canadian Astronaut Bob Thirsk explains space study in YouTube video <http://yfile.news.yorku.ca/2009/07/17/canadian-astronaut-bob-thirsk-explains-space-study-in-youtube-video/>

2011

- Y-file 19 Sept 2011. New directors appointed to five research centres
<http://yfile.news.yorku.ca/2011/09/19/new-directors-appointed-to-five-research-centres/>

2013

- Y-file 15 Jan 2013 York Vision Researcher receives \$790,891 for research infrastructure
<http://yfile.news.yorku.ca/2013/01/15/york-vision-researcher-receives-790891-for-research-infrastructure/>
- Y-file 5 March 2013 York's inaugural research gala recognizes excellence
<http://yfile.news.yorku.ca/2013/03/05/yorks-inaugural-research-gala-recognizes-excellence/>
- Y-file 15 April 2013. Laurence Harris takes Faculty Teaching Award
<http://yfile.news.yorku.ca/2013/04/15/laurence-harris-takes-faculty-teaching-award/>

2014

- Y-File 20 Feb 2014 Professor Laurence Harris wins President's Research Excellence Award
 - <http://yfile.news.yorku.ca/2014/02/20/professor-laurence-harris-wins-york-university-presidents-research-excellence-award/>
- Multiple media entries (~25) concerning my PLOS ONE paper (paper 103: "How much gravity is needed for the perceptual upright")
e.g., BBC <http://www.bbc.com/future/story/20141007-why-astronauts-get-space-stupid>
New Scientist <http://www.newscientist.com/article/mg22329862.700-low-gravity-makes-it-hard-to-tell-which-way-is-up.html#.VQosNGaFmjI>

2015

- Multiple media entries concerning my PLOS ONE paper (paper 112: "Audio-visual delay as a novel cue to visual distance")
e.g., <https://www.braindecoder.com/humans-can-hear-distance-in-a-way-1426602767.html>
http://www.science20.com/news_articles/can_humans_hear_distance-158561

2016

- Multiple media appearances connected to my CFI equipment (see http://www.yorku.ca/harris/media_nov_2016.html)

2017

- Interview on Quirks and Quarks “Do I look fat in this face?” May 29
<http://www.cbc.ca/radio/quirks/energy-drinks-giant-of-the-sea-and-sherpa-superpowers-1.4132848/do-i-look-fat-in-this-face-1.4132923>

2018

- Multiple media interest related to the VECTION space experiment
 - CBC
 - radio interview (Philip Lee Shanock) 8:30am Sun 2 Dec
 - 2 Dec, <https://www.cbc.ca/news/canada/toronto/canada-returns-to-space-with-canadian-designed-experiment-1.4928903>
 - Y-file
 - Nov 14, <http://yfile.news.yorku.ca/2018/11/14/york-university-canadian-space-agency-vection-project-blasting-into-space/>
 - Nov 28 <http://yfile.news.yorku.ca/2018/11/28/york-university-research-to-start-with-canadian-astronaut-in-space/>
 - SiriusXM (Arlene Bynon Show) Mon Dec 3
 - CTV interview (with Merella Fernandez, CTV Newschannel) Mon Dec 3
 - Globe and Mail:
 - Dec 7, Strapping in to see how space sends astronauts’ brains for a loop <https://www.theglobeandmail.com/canada/video-strapping-in-to-see-how-space-sends-astronauts-brains-for-a-loop/>
 - Dec 6, <https://www.theglobeandmail.com/canada/article-astronaut-david-saint-jacques-kicks-off-science-mission-with/>
 - Nov 30 + updates <https://www.theglobeandmail.com/canada/article-for-david-saint-jacques-launching-into-space-is-a-dream-come-true/>
 - Space Q
 - Dec 7 <http://spaceq.ca/david-saint-jacques-settles-into-his-temporary-home-in-space/>
 - NASA
 - https://www.nasa.gov/mission_pages/station/research/news/human_senses_in_space
 - https://www.nasa.gov/mission_pages/station/research/experiments/2511.html
 - <https://lsda.jsc.nasa.gov/Experiment/exper/13994>
 - CSA
 - <http://www.asc-csa.gc.ca/eng/sciences/vection.asp>
 - <http://www.asc-csa.gc.ca/eng/missions/expedition58/about-the-mission/health-science-experiments.asp>
 - <http://www.asc-csa.gc.ca/eng/iss/experiments-future.asp>
- Research-2-Reality video: <https://research2reality.com/health-medicine/vision-research-collaboration-york-vista/>

- Timeline Magazine Fairchild TV. Interview on optical illusions
<http://www.fairchildtv.com/>

2019

- Interview re my contribution to the CRAM initiative by CBC (Philip Lee Shannock)
- NASA https://www.nasa.gov/mission_pages/station/research/news/SSSH_18mar19

SERVICE TO YORK UNIVERSITY

1990/1

Member Animal Care Committee *chair Keith Grasse*
Member Workshop Committee *chair Peter Kaiser*
Coordinator of the Psychology Department's "General Experimental" Area

1991/2

Member Animal Care Committee *chair Keith Grasse*
Member Workshop Committee *chair Peter Kaiser*
Coordinator of the Psychology Department's "General Experimental" Area
Psychology Department's representative to the Faculty of Science (*report to chair*)
Member of Steering Committee of the Human Performance in Space division of the Institute for Space and Terrestrial Science (ISTS) *chairs DM Regan and Ian Howard.*

1992/3

Member Animal Care Committee *chair Keith Grasse*
Member Workshop Committee *chair Peter Kaiser*
Coordinator of the Psychology Department's "General Experimental" Area
Psychology Department's representative to the Faculty of Science (*report to chair*)
Grades Reappraisal Officer. (*report to chair*)
Member of Steering Committee of the Human Performance in Space division of the Institute for Space and Terrestrial Science (ISTS) *chairs DM Regan and Ian Howard.*

1993/4 (sabbatical)

Member Animal Care Committee *chair Keith Grasse*
Member Workshop Committee *chair Peter Kaiser*
Chair of search committee for a position in Perception (*report to dept. chair*)
Local Organizer of two NSERC site visits (*report to dept. chair*)
Member of Steering Committee of the Human Performance in Space division of the Institute for Space and Terrestrial Science (ISTS) *chairs DM Regan and Ian Howard.*

1994/5

Member Animal Care Committee *chair Keith Grasse*
Member Workshop Committee *chair Peter Kaiser*
Member President's NSERC committee *chair ???*
Member of Departmental Executive Committee *chair Sandra Pyke*
Member Undergraduate Teaching Committee *chair Janice Johnson*

Member Junior Promotion and Tenure committee *chair Clarry Lay*
Member Committee for Education and Academic Standards (CEAS) *chair Steven Filseth (Chemistry)*
Experimental Area Representative to Graduate Programme *chair Marilyn Zivian*
Member of Steering Committee of the Human Performance in Space division of the Institute for Space and Terrestrial Science (ISTS) *chairs DM Regan and Ian Howard.*

1995/6

Vice Chair Animal Care Committee *chair ASM Saleuddin (Biology)*
Member Workshop Committee *chair Peter Kaiser*
Member President's NSERC committee *chair ???*
Member of Departmental Executive Committee *chair Sandra Pyke*
Member Undergraduate Teaching Committee *chair Janice Johnson*
Member Committee for Education and Academic Standards (CEAS) *chair Steven Filseth*
Experimental Area Representative to Graduate Programme *chair Marilyn Zivian*
Member of Executive for the Graduate Faculty *chair Marilyn Zivian*
Member of the Senate Committee for Curriculum and Academic Standards (CCAS) *chair June Awrey*
Chair of Search Committee for a position in Perception (*report to chair of Psychology*)
Member of Steering Committee of the Human Performance in Space division of the Institute for Space and Terrestrial Science (ISTS) *chairs DM Regan and Ian Howard.*

1996/7

Vice chair Animal Care Committee *chair ASM Saleuddin (Biology)*
Member Workshop Committee *chair Peter Kaiser*
Member President's NSERC committee *chair Brian Coleman*
Member of Departmental Executive Committee *chair Sandra Pyke*
Experimental Area Representative to Graduate Programme *chair Marilyn Zivian*
Member of Executive for the Graduate Faculty *chair Marilyn Zivian*
Member of the Senate Committee for Curriculum and Academic Standards (CCAS) *chair David Lumsden*
Member of Steering Committee of the Human Performance in Space division of the Institute for Space and Terrestrial Science (ISTS) *chairs DM Regan and Ian Howard.*
Member of Senior Tenure and Promotions committee *chair Paul Stager*

1997/8

Chair Animal Care Committee
Theme director of the Human Performance in Space division of the Centre for Research in Earth and Space Technologies (CRESTech) (previously ISTS)
Member of Departmental Executive Committee *chair Sandra Pyke*
Experimental Area Representative to Graduate Programme *chair Ron Okada*
Member of Executive for the Graduate Faculty *chair Ron Okada*
Member of the Senate Committee for Curriculum and Academic Standards (CCAS) *chair David Lumsden (resigned)*
Member of Senior Tenure and Promotions committee *chair Les Greenberg*
Prepared **successful** Ontario Challenge Fund grant proposal on behalf of the Centre for Vision Research and York University
Prepared **successful phase 1** Canadian Foundation for Innovation grant proposal on behalf of the Centre for Vision Research and York University
Ranked NSERC fellowship applications
Ranked Psychology OGS fellowship applications

1998/9

Chair Animal Care Committee

Theme director of the Human Performance in Space division of the Centre for Research in Earth and Space Technologies (CRESTech)
Member of Departmental Executive Committee *chair Sandra Pyke*
Experimental Area Representative to Graduate Programme *chair Dr Allcock*
Prepared and submitted **successful phase 2** Canadian Foundation for Innovation grant proposal on behalf of the Centre for Vision Research and York University
Member Psychology Dept. Undergraduate Teaching Committee *chair Regina Schuller*

1999/2000 (sabbatical)

Theme director of the Human Performance in Space division of the Centre for Research in Earth and Space Technologies (CRESTech)
Associate director of the Centre for Vision Research at York University (CVR)

2000/2001

Associate director of the Centre for Vision Research at York University (CVR)
Member of Junior Tenure and Promotions Committee (*chair, Jim Bebko*)
Member of the Human Performance in Space Theme Committee: a division of the Centre for Research in Earth and Space Technologies (CRESTech)

2001/2002

Associate director of the Centre for Vision Research at York University (CVR)
Member of Senior Tenure and Promotions Committee. *chair Les Greenberg*
Member of the Human Performance in Space Theme Committee: a division of the Centre for Research in Earth and Space Technologies (CRESTech)
Coordinator for the CFI-sponsored move from BSB to the new Science building
Advisor to the graduate director *director David Rennie*
Ranked NSERC fellowship applications

2002/2003

Associate director of the Centre for Vision Research at York University (CVR)
Area coordinator for the Brain Behaviour and Cognitive Sciences area of Psychology
Member of the Tenure and Promotions Committee. *Chair Paul Stager*

2003/2004

Steering committee member and seminar coordinator for the Centre for Vision Research at York University (CVR) *Director Tsotsos*
Assessed Merit applications for Faculty of Arts

2004/2005

Steering committee member and seminar coordinator for the Centre for Vision Research at York University (CVR)
Chair of the Psychology Tenure and Promotions Committee
Member of the Psychology Executive Committee. *Chair Dave Reid*
Ranked NSERC fellowship applications

2005/2006

Steering committee member and seminar coordinator for the Centre for Vision Research at York University (CVR)
Chair of the Psychology Tenure and Promotions Committee
Member of the Psychology Executive Committee. *Chair Dave Reid*
Ranked NSERC studentship applications for the University
Member of the Governance Design Committee (subcommittee of the Psychology Exec)
Chair of the BBCS recruiting committee

2006/2007

- Steering committee member and seminar coordinator for the Centre for Vision Research at York University (CVR) [until Jan 2007]
Chair of the Psychology Dept.(with associated duties, e.g., Senator)
- 2007/8**
Chair of the Psychology Dept.(with associated duties, e.g., Senator)
- 2008/9**
Chair of the Psychology Dept.(with associated duties, e.g., Senator)
Member steering committee of the Canadian Action and Perception Network (CAPNet)
- 2009/10 (sabbatical)**
Steering committee of the Centre for Vision Research *Director Wilson*
Member steering committee of the Canadian Action and Perception Network (CAPNet)
- 2010/11**
Ranked NSERC and CIHR fellowship applications
Steering committee of the Centre for Vision Research *Director Wilson*
Member steering committee of the Canadian Action and Perception Network (CAPNet)
Member of the Psychology Executive Committee. *Chair Suzanne MacDonald*
- 2011/12**
CVR director
Member of the Psychology Executive Committee. *Chair Suzanne MacDonald*
- 2012/13**
CVR director
Member of the Psychology Executive Committee. *Chair Suzanne MacDonald*
Academic Planning Policy & Research Committee (APPRC) *Chair Paul Axelrod*
APPRC ORU subcommittee *Chair Lisa Phillips*
Committee of Research Directors Working Group *Chair Lisa Phillips*
- 2013/14**
CVR director
Member of the Psychology Executive Committee. *Chair Suzanne MacDonald*
Academic Planning Policy & Research Committee (APPRC) *Chair Paul Axelrod*
APPRC ORU subcommittee *Chair Lisa Phillips*
Committee of Research Directors Working Group *Chair Lisa Phillips*
Major Awards Committee (MAAC) *Chair Lisa Phillips*
- 2014/15**
CVR director
Member of the Psychology Executive Committee. *Chair Joel Goldberg*
Academic Planning Policy & Research Committee (APPRC) *Chair Rebecca Pillai Ridell*
APPRC ORU subcommittee *Chair Ananya Mukherjee-Reed*
Committee of Research Directors Working Group *Chair Ananya Mukherjee-Reed*
Major Awards Committee (MAAC) *Chair Walter Tholen*
- 2015/16**
CVR director
Academic Planning Policy & Research Committee (APPRC) *Chair Rebecca Pillai Ridell*
APPRC ORU subcommittee *Chair*
Committee of Research Directors Working Group *Chair Cynthia Craig-Reed*
NTI Awards Committee *Chair Sushanta Mitra*
CFREF application lead
- 2016/17**
CVR director
Psychology Executive *Chair Joel Goldberg*
Committee of Research Directors Working Group *Chair Cynthia Craig-Reed*

VISTA Leadership committee *Chair Doug Crawford*
 VISTA infrastructure committee *Chair*
 VISTA research committee *Chair Lauren Sergio*
 CIHR/OGS ranking *Chair Michael Zryd*

2017/18

CVR director
 Psychology Executive *Chair Joel Goldberg*
 Committee of Research Directors Working Group *Chair Cynthia Craig-Reed*
 VISTA Leadership committee *Chair Doug Crawford*
 VISTA infrastructure committee *Chair*
 VISTA research committee *Chair Lauren Sergio*
 Chair of Departmental Recruiting Committee (Vis. Neurophysiology)

2018/19

CVR director
 Psychology Executive *Chair Joel Goldberg*
 VISTA Leadership committee *Chair Doug Crawford*
 VISTA infrastructure committee *Chair*
 VISTA research committee *Chair Lauren Sergio*
 Chair of Departmental Recruiting Committee (Vis. NeuroImaging)

COURSES TAUGHT AT YORK UNIVERSITY

| | | |
|---------|--------------|---|
| 1989/90 | NATS 1720.06 | Light and Sound |
| 1990/91 | PSY 2220.03M | Perception |
| | PSY 2220.03N | Perception |
| 1991/92 | NATS 1720.06 | Light and Sound |
| | PSY 7010.03 | Sensorimotor Transformations |
| | PSY 2220.03M | Perception |
| | PSY 2220.03N | Perception |
| | NATS 1720.06 | Light and Sound |
| | PSY 4000.06 | Marla Bigel, <i>Vestibular Responses of Skaters and non-skaters to various speeds.</i> |
| 1992/93 | PSY 4000.06 | David Drenfeld, <i>The contribution of the vestibular system to depth perception (with Hiro Ono).</i> |
| | PSY 7010.03 | Sensorimotor Transformations |
| | PSY 2220.03M | Perception |
| | PSY 2220.03N | Perception |
| | NATS 1720.06 | Light and Sound |
| | PSY 7010.03 | Sensorimotor Transformations |
| | PSY 3890.03 | Alykhan Suleman, <i>Age Related Changes to the vestibulo-ocular reflex.</i> |
| | PSY 4000.06 | Corey Adler, <i>The contribution of the vestibular system to perceptual space.</i> |

| | | |
|---------|-------------------|---|
| | PSY 4000.06 | Deron Brown, <i>The vestibulo_ocular reflex of skaters: conditions and direction of rotation and its effect on time constants and gain.</i> |
| | PSY 3890.06 | Benjamin Friedman, <i>The contribution of the vestibular system to the perception of self_motion.</i> |
| | PSY 4000.06 | Angelica Velman, <i>Visual channel mapping using the method of adaptation.</i> |
| | PSY 4000.06 | Melissa Snider, <i>The contribution of the vestibular system to perceptual space.</i> |
| 1993/94 | sabbatical | |
| | PSY 3890.06 | Angelica Velman, <i>Velocity detection in full field motion</i> |
| 1994/95 | PSY 2220.03M | Perception |
| | PSY 2220.03N | Perception |
| | NATS 1720.06 | Light and Sound |
| | PSY 4000.06 | Eliana Klier, <i>Skating project</i> |
| | PSY 4000.06 | Lani Lieberman, <i>Saccadic suppression of auditory stimuli.</i> (Winner of the Templeton Award for best 4th year thesis.) |
| | PSY 4000.06 | Emre Onat, <i>Cues concerning linear translation.</i> |
| | PSY 4000.06 | Dan Zikovitz, <i>Head tilt during lateral acceleration</i> |
| | PSY 3890.06 | Jorge Sousa, <i>Visual cues to linear self motion.</i> |
| 1995/96 | PSY 2220.03M | Perception |
| | PSY 3270.03M | Sensory Processes |
| | NATS 1720.06 | Light and Sound |
| | PSY 3890.06 | (Summer 1995) Sandy Russill, <i>Asocial world and hearing impairment</i> |
| | PSY 3890.06 | (Summer 1995) Laura Mather, <i>Formulating a questionnaire to be administered to hard of hearing students</i> |
| | PSY 3890.06 | Dan Zikovitz, <i>Head tilt during driving</i> |
| | PSY 4000.06 | Howard Krupat, <i>Linear self motion perception</i> |
| | PSY 4000.06 | Antonio Pascual-Leone, <i>The perception of linear forces</i> |
| 1996/97 | PSY 4870.03 | (Summer 1996) Laura Mather, <i>The needs of hard of hearing students at universities</i> |
| | PSY 4000.06 | (Summer 1996) Danny Kreichman, <i>Can tilt simulate linear acceleration?</i> |
| | PSY 2220.03M | Perception |
| | PSY 3270.03M | Sensory Processes |
| | PSY 6750.03D | Sensory and Motor Neurophysiology |
| | GS FILM 5800.03N | René Albert . <i>Directed reading course</i> |
| | PSY 3890.06 | Irene Balestra. <i>The development of stereopsis</i> |
| 1997/98 | PSY 2220.03P | Perception |
| | PSY 3270.03M | Sensory Processes |
| | PSY 6750.03D | Sensory and Motor Neurophysiology |
| | PSY 3890.06 | David Shulman. <i>Perception of time</i> |

| | | |
|-----------|---------------------------------------|---|
| 1998/99 | PSY 3890.03 | Laura Kesicki. <i>Development of language</i> |
| | PSY 3270.03 | Sensory Processes |
| | PSY 6750.03D | Sensory and Motor Neurophysiology |
| | PSY 4870.06 | (Summer 1998) Elham Khosousi, <i>The moon illusion</i> |
| | PSY 4000.06 | Jeffrey Tannenbaum, <i>Monocular vs binocular virtual reality displays</i> |
| | PSY 3890.06 | Philip Jaekl, <i>Virtual reality sickness</i> |
| 1999/2000 | PSY 4870.06 | Karen Ross, <i>Velocity of vection</i> |
| | sabbatical | |
| | PSY 4870.06 | (Summer 1999) Diana Tajik, <i>Eye movements and illness</i> |
| | PSY 4000.06 | Philip Jaekl. <i>Perception of linear motion</i> |
| 2000/2001 | PSY 2220.03M | Perception |
| | PSY 3270.03 | Sensory Processes |
| 2001/2002 | PSY 2220.03 | Perception |
| | PSY 3270.03 | Sensory Processes |
| | PSY 4870.03 | (Summer 2001) Eirica Perri. <i>Eidetic memory and blindsight</i> |
| | PSY 4890.03 | (Fall 2001) Igor Frenkel. <i>Analysis of self motion by MSTd</i> |
| 2002/2003 | PSY 2220.03 | Sensation and perception I |
| | PSY 3270.03 | Sensation and perception II |
| | PSY 6750.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| | PSY 3890.06 | James Toby. <i>Music perception</i> |
| | PSY 4890.06 | Jamal Nakhat. <i>Touch and visual localizing</i> |
| | PSY 4000.06 | Isabel Lee <i>Central vs peripheral vision.</i> |
| | COSC6002.03 | Virtual Reality: Technology and Perception. Course director: M Jenkin, Comp. Sci. |
| 2003/2004 | PSY 4000.06 | Vanessa Harrar <i>Touch and light localizing (winner Templeton Award)</i> |
| | PSY 4000.06 | (summer 2003) Anisha Abreo <i>Touch processing</i> |
| | PSY 4000.06 | Shabnam Sadr <i>Perceptual orientation and gravity</i> |
| | PSY 3890.06 | Dan Kim <i>Synaesthesia and coding in the brain</i> |
| | PSY 2220.03 | Sensation and perception I |
| | PSY 3270.03 | Sensation and perception II |
| | PSY 6750.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| 2004/2005 | PSY 4000.06 | Sanaz Banihashemi (summer 2004) <i>Adapting touch & light</i> |
| | PSY 2220.03 | Sensation and perception I |
| | PSY 3270.03 | Sensation and perception II |
| | PSY 6750.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| | PSY 3890.03 | Aliza Sturm <i>Are we all synaesthetes?</i> |
| | PSY 4000.06 | Rebecca Winter <i>Cross-modal motion</i> |
| | PSY 4890.06 | Audrey Sasson <i>Neural basis of wayfinding</i> |
| | PSY 4890.03 | Jhaibaloo Loisos <i>Subliminal perception</i> |
| 2005/2006 | PSY 6750.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| | PSY 4890.06 | Jaspreet Kalsey (Summer 2005) <i>Motion and self-motion</i> |
| | PSY 4000.06 | Jaspreet Kalsey <i>Measuring the Coriolis effect</i> |
| | PSY 4890.03 | Hira Syed <i>Perception in virtual reality</i> |

| | | |
|-----------|---------------------------------------|---|
| | PSY 4000.06 | Bahar Salavati <i>Memory of space and time</i> |
| | PSY 4000.06 | Aliza Sturm <i>Perception of space</i> |
| | PSY 4890.03 | Pearl Guterman <i>Optic Flow and steering</i> |
| 2006/2007 | chair | |
| | PSY 4000.06 | Jean-Francois Nankoo (summer 2006) <i>Orang utans</i> |
| | PSY 4000.06 | Shree Kargutkar (summer 2006) <i>Active touch</i> |
| | PSY 4000.06 | Angela Badulescu <i>Perceiving hand orientation</i> |
| | PSY 4000.06 | Marta Gozdzik <i>Active and passive touch</i> |
| | PSY 4000.06 | Cameron Thompson <i>Gender and sensory weighting</i> |
| | PSY 4890.06 | Aliza Sturm <i>Moving visual space with a mirror</i> |
| | PSY 4890.06 | Dahlia Balaban <i>Blood pressure and illusory motion</i> <i>(winner Governor General Gold Award)</i> |
| 2007/2008 | chair | |
| | PSY 4890.06 | Carrie Lai (summer 2007) <i>Orientation and reaction time</i> |
| | PSY 4890.06 | Damir Olejar <i>Sensory substitution</i> |
| | PSY 4890.06 | Rahim Kanji <i>Blindsight</i> |
| 2008/2009 | chair | |
| | PSY 4000.06 | Shael Katz <i>Two methods of measuring perceived time</i> |
| | KIN 4000.06 | Morteza Sadeh <i>Head, trunk and perceived orientation</i> |
| | KIN 4000.06 | Farbod Partow (summer '09) <i>Head or body?</i> |
| 2009/2010 | sabbatical | |
| | BIO xxxx.06 | Cesar Ginocchio <i>Monaural hearing</i> |
| 2010/2011 | PSY 2220.03 | Sensation and Perception I |
| | PSY 3270.03 | Sensation and Perception II |
| | PSY 6265.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| | PSY 4000.06 | Meem Siddique <i>Visual attention to limb position</i> |
| | COGS 4750.06 | Michael Carnevale <i>Eye and head position and touch</i> |
| | PSY 4000.06 | Mark Rootenberg <i>Tilt and orientation</i> |
| | KIN 6220.03 | Ryan Dearing <i>Readings in special topics</i> |
| 2011/12 | CVR director | |
| | PSY 4890.06 | Andrei Szigiato <i>Visual & proprioceptive arm position</i> <i>(winner Faculty of Health Silver Merit award)</i> |
| | PSY 4000.06 | Sarah D'Amour <i>Funneling with different arm lengths</i> <i>(winner Templeton award)</i> |
| | PSY 4000.06 | Jenya Noukhovitch <i>Posture and depth perception</i> |
| | PSY 4000.06 | Anousha Z Usman <i>GVS affected by posture</i> |
| 2012/13 | CVR director | |
| | PSY 4890.03 | Rayna Slobodian <i>Space Psychology</i> |
| | PSY 4890.03 | Jennifer Ligata (Summer, 2012) <i>Brain and Language</i> |
| | COGS 4750.06 | Emma Walker <i>Parsing Dance</i> |
| | PSY 4000.06 | Joe Gerber <i>Where is my hand?(withdrew)</i> |
| | PSY 4000.06 | Bahar Hashemi <i>Assigning multisensory weights</i> |
| | PSY 6228.03 | Applications in Vision Science (1 class) |
| 2013/14 | CVR director | |
| | PSY 4000.06 | Bobbak Makooie <i>GVS and orientation</i> |

| | | |
|---------|---------------------------------------|---|
| | PSY 4000.06 | Yasmeenah Elzein <i>Left handed space</i> |
| | PSY 6253.03 | Fundamental in Neuroscience; <i>Guest lecture</i> |
| | PSY 4890.06 | Rayna Slobodian <i>Psychology of immortality (summer)</i> |
| | PSY 6228.03 | Applications in Vision Science (1 class) |
| 2014/15 | CVR director | |
| | PSY 6265.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| | PSY 6228.03 | Applications in Vision Science (1 class) |
| | PSY 4000.06 | Shauna Spirling <i>Gaze and touch</i> |
| | PSY 4000.06 | Emma Walker. <i>Parsing music.</i> |
| 2015/16 | CVR director | |
| | PSY 6265.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| | PSY 6228.03 | Applications in Vision Science (1 class) |
| | PSY 3890.06 | Isabella Lim <i>Knowing one's self</i> |
| | PSY 4000.06 | Andrew Lauzon <i>Sensory rhythm</i> <i>(winner: Best Poster Award)</i> <i>(winner: Raymond Hetu Prize in Acoustics)</i> |
| 2016/17 | CVR director | |
| | PSY 2220.03B | Sensation and Perception Part 1 (183 students) |
| | PSY 6228.03 | Applications in Vision Science (1 class) |
| | PSY 4000.06 | Jongjin Kim. <i>Distance perception during self-motion</i> |
| 2017/18 | CVR director | |
| | PSY 6265.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| | PSY 4001.06 | Isabella Lim (214456024) <i>GVS and body perception</i> |
| | PSY 4000.06 | Deborah Alexe (213447669) <i>Adapting body perception</i> |
| | PSY 4890.06 | Kelly Hanninen (214068803) <i>VR in therapy</i> |
| | COGSCI | Martin Faskhoodi (212916748) <i>Hippocampus</i> |
| | PSY 3890 | Farah Khan (214285076) <i>Hand position</i> |
| 2018/19 | CVR director and YRC | |
| | PSY 6265.03P /BIOL 5136 3.0/KAHS 6161 | Perception and action |
| | PSY 4000.06 | Kelly Hanninen (214068803) <i>developing an app</i> |
| | PSY 4000.06 (Glendon) | Molly Gibson <i>Perception of self-motion</i> |
| | PSY 4000.06 | Mehdi Hussain 213058961 <i>Orientation cues</i> |
| | PSY 4890.03 | Fara Khan (214285076) <i>Virtual reality in healthcare</i> |

Masters committees that I have been on (completed)

- 1 Goltz, Herb. *The effect of gravity on the eye position of the paralysed and anaesthetized cat.* 1991 Oct (supervisor: Marty Steinbach, Psychology, York)
- 2 Sawin, Elena Patricia. *The response of Drosophila Melanogaster larvae to Light* (I was 'Outside Examiner'. supervisor: MB Sokolowski, Biology York) 9 Sept 1993
- 3 Cao, Lianquin. *Saturation discrimination as a function of temporal frequency.* November 1992. (supervisor: Peter Kaiser, Psychology, York).

- 4 Liebesman, Jodi. *The Physiology of range of motion in human joints*. 28 May 1993 (I was the 'outside' examiner. Supervisor: E. Caferelli, Phys Ed., York)
- 5 Kaushal, Suneeti. *Monocular Discrimination of the direction of motion in depth*. 7 Jun 1993 (I was chair: Supervisor: DM Regan, Psychology, York).
- 6 Stieben, Jim. *Cognitive style correlates in endogenous evoked potentials: an exploratory investigation of Pascual-Leone's model*. (Supervisor: Pascual-Leone, Psychology, York) 2 Dec 1994
- 7 Hinckney, Sean. *Arm pointing*. 1 Dec 1994 (supervisor: Otmar Bock, Phys Ed. York)
- 8 Jakobi, Jennifer *The myth of the bilateral deficit* 26 June 1996 (supervisor: E. Caferelli, Phys Ed, York)
- 9 Penfield, Randall. *Alterations in receptive field size in the superior colliculus induced by bicuculline*. 8 Oct 1996 (supervisor: Keith Grasse, Biology, York)
- 10 Steeves, Jennifer. *Asymmetry of OKN in early and late onset strabismus*. 7 Oct 1996 (supervisor: Marty Steinbach, Psychology, York)
- 11 Comfort, Deanna. *Double step pointing*. 21 Jan 1997 (supervisors: Barry Fowler, Physical Education, York & Otmar Bock, Cologne, Germany)
- 12 Acouin, Nicole *Virtual Reality Algorithms* April 1997 (supervisor M. Jenkin, Computer Science, York)
- 13 Klier, Eliana *Three dimension eye movements and pointing* 21 April 1998 (Supervisor: JD Crawford, Psychology, York)
- 14 Smith, Michael *Modelling the three-dimensional vestibulo-ocular reflex* Sept 2, 1998 (Supervisor: JD Crawford, Psychology, York)
- 15 LeSage, Susan *Using the tilt table to simulate -/+ Gz effects*. Feb 24, 1999 (Supervisor: L. Goodman, DCIEM)
- 16 Reid, Greg *Binaural scene analysis* Mar 23, 1999 (Supervisor E. Milios, Computer Science, York)
- 17 Wright, Helen *Physiological Measurement of the influence of Gz Baseline on + Gz Tolerance in Flight*. July 21, 1999 (Supervisor Fred Buick, DCIEM)
- 18 Ceylan, Melike *Z Eye-head coordination in humans*. 5 Oct 1999 (supervisor JD Crawford, Psychology, York)
- 19 Harris, Yoela *First and Second order Stereopsis*. 30 Nov 1999 (supervisor: L. Wilcox, Psychology, York)
- 20 Tajik, Diana *Development of smooth pursuit eye movements*. 24 Jan 2000 (supervisor: M. Steinbach, Psychology, York)
- 21 Hu, Gang *Visual and non-visual cues in reorientation illusions*. 28 Jan 2000 (Supervisor: I Howard, Biology, York)
- 22 Kapralos, William *Eyes 'n' ears*. April 2001 (Supervisor: M. Jenkin, Computer Science, York)
- 23 Terry, Kathy *Immunocytochemistry of circadian clocks in the insect *Rodnius**. 11 July 2001 (Supervisor: Colin Steele, Biology, York)
- 24 Mogk, Jeremy *Arm muscles during movement* 25 March 2002 (Supervisor: Kinesiology, York)
- 25 Brandon Meyers *Caffeine increases time to fatigue* (Supervisor: Caferelli, Health Sciences, York) 14 Aug 2002

- 26 Arlene Ripsman *Local surface reconstruction of orbital objects* (Supervisor: Michael Jenkin, Computer Sciences, York) 6 Aug 2002
- 27 Kevin Hanson *Tracking multiple objects* (Supervisor: J. Rivest, Psychology, Glendon) 29 Aug 2002
- 28 Alina-Geta Constantin *The Superior Colliculus* (Supervisor: JD Crawford, Psychology, York) 10 Sept 2002
- 29 Josef Amati (Supervisor: J. Elder, Psychology, York)
- 30 Hogue, Andrew *Mobile Automatic Realtime Visual and Inertial tracking system* (Supervisor: M Jenkin, Computer Science, York) 6 May 2003
- 31 Gagnon, Martin (Supervisor: B. Fowler, Kinesiology, York) June 2003
- 32 Goren, Deborah (Supervisor: H. Wilson, Biology, York) *Face expression recognition* 16 Aug 2004
- 33 Barr, MS (Supervisor: L. Sergio, Kinesiology, York) *Coding targets*. April 2005
- 34 Legon, Wynne (Supervisor: R. Staines, Kinesiology, York) *Predictability of movement targets modulates somatosensory cortex*. 2 Sept 2005
- 35 Clarke, Aaron (Supervisor: J. Elder, Psychology, York) *Contour definition*. 29 Sept 2005
- 36 Ben (Supervisor: D. Pepler) *Peer pressure on delinquency*. Sept 2006
- 37 Zanette, Christopher (Supervisor: J. Steeves, Psychology, York) *Strabismus and smooth pursuit*. 12 Sept 2008
- 38 Gaid, Nicole (Supervisor: L. Wilcox, Psychology, York) *Body image* 29 Aug 2008
- 39 Mullin, Caitlin (Supervisor: J. Steeves, Psychology, York) *McCollough illusion in a patient with achromotopsia*. 20 Aug 2008
- 40 Guterman, Pearl. Looking for things. (Supervisor: R. Allison, Computer Sci. York)
- 41 Ascencio Monteon, Jachin. Parietal Cortex (Supervisor: JD Crawford, Psychology, York)
- 42 Adria Hoover. Sound localization 6 Oct 2010 (Supervisor J. Steeves, Psychology, York)
- 43 Charles Mander. Attention and search. July 2011 (Supervisor J. Elder, Psychology, York)
- 44 Minjung Kim. Visual psychophysics. 2011 (Supervisor R. Murray, Psychology, York)
- 44 Stefania Moro. Nov 2012 (Supervisor J. Steeves. Psychology)
- 45 Victoria Barkley. Summer 2014 (Supervisor D. Henriques, Kinesiology)
- 46 Brandon DC Fenton. Summer 2014 (Philosophy)
- 47 Michael Olshansky (Supervisor: J De Souza, Psychology)
- 48 Taylor Adrian Brin (Supervisor: M. Steinbach – replaced by H. Ono, Psychology)
- 49 Melissa Ferland (Supervisor: James Bebko, Psychology)
- 50 Aishwarya Rajalashimi Sudhama (Sept 16, 2017) (Supervisor: Laurie Wilcox, Psychology)

Masters committees that I am on (current)

1. Cecilia Jobst (exam Sept 7 needs major revisions) (Supervisor: J. De Souza, Psychology)
2. Diana Arsenyan (Supervisor: J. De Souza, Psychology)

PhD committees I have been on (completed)

- 1 Regan, Marian. *Rectifier Responses to two sinusoidal inputs*. 1991.(supervisor DM Regan, Biology, York)

- 2 Reed, Maureen. *The development of optokinetic nystagmus and contrast sensitivity in eye enucleated strabismic subjects*. June 1991.(supervisor, for whom I stood in after he left for California, Stuart Anstis)
- 3 Hamstra, Stanley J. *Human shape discrimination for form defined by binocular disparity, motion contrast and luminance contrast*. 6 Sept 1994 (Chair of his committee: supervisor: DM Regan).
- 4 Portfors-Yeomans, Christine. *Motion and stereo and flight* 2 Aug 1996. (Supervisor: DM Regan, Biology, York)
- 5 Dengis, Carol. *Location of the egocentre* 7 Jan 1997. (I was chair. Supervisor: Marty Steinbach, Psychology, York).
- 6 Goltz, Herb. *The effect of linear acceleration on eye position* April or May 1997 (supervisor: Marty Steinbach, Psychology, York)
- 7 Allison, Robert *Binocular vision* 31 March 1998 (Supervisor: IP Howard, Biology, York)
- 8 Jenkin, Heather *Perception of rotated objects*. 3 August 1999 (Supervisor: E. Bialystok, Psychology, York)
- 9 Grove, Philip *Vision of occluded surfaces*. 11 Sept 2001 (Supervisor: H. Ono, Psychology, York)
- 10 Henriques, Denise *Control of pointing and reaching*. 3 March 2002 (Supervisor: J.D. Crawford, Psychology, York)
- 11 Klier, Eliana *Brainstem control of gaze* (Supervisor: JD Crawford, Psychology, York) 18 Dec 2002
- 12 Smith, Mike *Modelling control of saccades with neural networks* (Supervisor: JD Crawford, Psychology, York) 17 Jan 2003
- 13 Kapralos, William (Supervisor: M. Jenkin, Computer Sci., York) *Modelling sounds*. Summer 2006
- 14 Kristin Force (Supervisor: Dorothy Deval, Music, Fine Arts, York) *The music of Philip Glass and the perception of films*. 8 Sept. 2008
- 15 Constantin, Alina-Geta (Supervisor: JD Crawford, Psychology, York) *Role of Lateral Intraparietal Cortex (LIP) in Head-Free Gaze Control*. 7 Nov 2008.
- 16 Kevin MacKenzie *Integration of Motion and Disparity Cues in the Recovery of Three-Dimensional Shape* 6 Feb 2009 (Supervisor: Laurie Wilcox, Psychology)
- 17 Prime, Steve *Neural Mechanism Governing Trans-Saccadic Memory of Visual Features* 5 Feb 2009 (Supervisor: JD Crawford, Psychology, York)
- 18 Ascencio Monteon, Jachin *The Role of the Frontal Eye Field on Eye-Head Coordination* 23 Sept 2009 (Supervisor: JD Crawford, Psychology, York)
- 19 Tajik, Diana (Supervisor: S MacDonald, Psychology, York 10 Nov 2011)
- 20 Stephanie Jones (Supervisor: Denise Henriques, Kinesiology 8 Nov 2011)
- 21 Yaniv Morgenstern (Supervisor: Richard Murray, Psychology, 15 Aug 2011)
- 22 Danielle Slomonzkyk (Supervisor: Denise Henriques, Kin, 2013)
- 23 Pearl Guterman (2 June 2016) (Supervisor: R. Allison, Computer Sci)
- 24 Mehdi Daemi (26 July 2016) (Supervisor: JD Crawford, Biology)
- 25 Stefania Moro (Supervisor: J. Steeves; 5 April 2018)
- 26 Morteza Sadah (Supervisor: JD Crawford: Dec 2018)

PhD committees that I am on (current)

GRADUATE STUDENTS (mine)

MASTERS

1. Mente, Peter. *A channel-based system for coding head movements in the cat* (MSc biology, started Fall 1993; completed 26 Sept 1996)
2. Kreichman, Danny. *Perception of visually induced motion during tilt* (MSc biology started Fall 1996; completed Aug 1998)
3. Zikovitz, Dan. *Self motion perception* (MSc biology started Fall 1996; completed Oct 1998)
4. Kopinska, Agnieszka. *Mapping auditory onto visual space* (MA Psychology started Fall 1996; completed 23 Feb 1999)
5. Hudoba, Michelle. *3D eye and head movements evoked by passive rotation of cats* (Msc Biology started Fall 1997; completed 21 Jan 2000)
6. Redlick, Fara. *Optic flow and proprioception in self-motion perception* (MSc Biology started Fall 1998, completed June 1999)
7. Jaekl, Phil. *Stability during active head movements.* (MA Psychology started Fall 2000, completed 28 Nov 2003)
8. Barnett-Cowan, Michael *Eye movements, orientation and gravity* (MA Psychology, started Fall 2003, Completed July 2005)
9. Harrar, Vanessa (205 658 588 MA Psychology started Fall 2004, Completed Summer 2006)
10. Sanderson, Jeff (MA Psychology, started Fall 2004 Completed Fall 2006)
11. Winter, Rebecca (MA Psychology started Fall 2006) Completed Fall 2008
12. Bahar Haji-Khamneh (206 489 272) MA Psychology started Fall 2007, completed Oct 28, 2009
13. Dearing, Ryan (207 873 367) (MA Kinesiology, start Fall 2009) completed summer 2011
14. Salminen, Amy (????) (MA Psychology, started Fall 2011, withdrew)
15. D'Amour, Sarah (209013269) (MA Psychology, started Fall 2012; completed Fall 2014)
16. Fraser, Lindsay (209174038) (MA Psychology, started Fall 2012; completed Fall 2014)
17. Carnevale, Mike (207353113) (MA Psychology, started Fall 2012; completed Spring 2015)
18. Elzein, Yasmeenah (211115789) (MA Psych., started Fall 2015; completed Sept 2017)
19. Kim, Jongjin (John) (213142666) (MA Psych., started Fall 2017)

DOCTORAL

1. Hodgson, Tim L. *Variations in sensitivity to rotations of the visual field around different axes.* Started a PhD with me in Cardiff in 1989 but when I came to York he was unable to follow. PhD Summer 1996 with Kennedy at Institute of Neurology, Strand Hospital.
2. Mente, Peter. *Eye and head control in the cat* (PhD Biology started Fall 1996; withdrew)
3. Zikovitz, Dan. *The perception of linear self-motion in response to combinations of visual and physical motion cues.* (PhD Biology started Fall 1998; completed May 31st, 2004)
4. Kopinska, Agnieszka. *Multimodal spatial perception.* (PhD Psychology started Winter 1999, Completed December 2006)

5. Jaekl, Phil (PhD Psychology, started Spring 2004) Completed Fall 2008
6. Barnett-Cowan (PhD Psychology started Fall 2005 Completed Summer 2009)
7. Harrar, Vanessa (205 658 588) *Is touch coded in a visual reference frame?* PhD Psychology started Fall 2006; Completed 19 April 2010
8. Blake Martin (972 880 479)(PhD Kinesiology, co-supervised by Denise Henriques, started Fall 2007, completed Fall 2012)
9. Pritchett, Lisa (210 220 390) (PhD Psychology, started Fall 2009, completed 2016)
10. Mander, Charles (209 612 342) (PhD Psychology, start winter 2011 as PhD2, withdrew)
11. Hoover, Adria (203 969 508) (PhD Psychology, started Fall 2010, completed 2015)
12. D'Amour, Sarah (209013269) (PhD Psychology, started Fall 2014)
13. Fraser, Lindsay (209174038) (PhD Psychology, started Fall 2014)
14. McManus, Meaghan (210 226 330) (PhD Psychology, started Fall 2014)

POST DOCS in my laboratory

- 1 Stelling, John. *The vestibular nucleus and visual vestibular interactions*. (University of Wales, Physiology). Post_doctoral research fellow, supported by my MRC grant in the UK 1986_1990.
- 2 Lott, Lori. *The processing of full_field movement*. Post Doc at York. Post doctoral research fellow supported by NSERC grant 1992/3
- 3 McConville, Kristiina. *The response to linear movement*. Post Doctoral Research Fellow supported by an NSERC industrial post-doctoral fellowship 1995/6
- 4 Allison, Rob. *Active and passive cues in the perception of linear motion*. Post Doctoral Research Fellow supported by an NSERC collaborative grant 1998
- 5 Dyde, Richard. *Perception of movement in unusual environments*. Post Doctoral Fellow, supported by NSBRI. Sept 2001 – Dec 2010
- 6 Jenkin, Heather. *Gravity and Perception*. Post Doctoral Fellow, supported by CSA. Started spring 2002.
- 7 Byrne, Pat. Space and multisensory data. Post Doctoral Fellow, Summer 2012 – Spring 2014. Supported by CSA and CREATE (Visual Applications)
- 8 Bury, Nils-Alexander. Started Sept 2017. The CSA VECTION project.

RESEARCH ASSISTANTS

- 1 Sugirhini Selvanayagarajah 2001/2 Supported by NSERC
- 2 Jim Zacher 2002/7 - Supported by CSA
- 3 Shamani Selvanayagarajah 2002/4 Supported by NSERC
- 4 Jeff Sanderson 2006- 2008. Supported by Faculty of Health
- 5 Ryan Dearing 2009 Supported by NSERC
- 6 Michael Carnevale 2011 Supported by CSA

SUPERVISION OF RESEARCH PRACTICA (in addition to my own students)

- 1 Teeaar, Aivo (*Visual cues to self motion*)
- 2 Warner, Jennifer (*Visual motion*)
- 3 Prime, Steve (*Tracking of lights and sounds*) 2008 (*minor paper, supervisor JD Crawford*)
- 4 Comrie, Janna (*Multisensory in old people*) 2009/10 (*minor paper, supervisor S Murtha*)

- 5 Stefania Moro (*Vestibular attention*) 2015/16 (supervisor J. Steeves)
- 6 Farah Khan (214285076) (*Hand position*) 2017/18 (*Biology Internship*)

WORK STUDY STUDENTS

- 1 Bigel, Marla. (#235) 16 Sept 1991 - 15 April 1992
- 2 Brown, Deron J. (#234) 1 Oct 1992 - 30 April 1993
- 3 Velman, Angelica (#391) Oct 1993 - April 1994
- 4 Sousa, Jorge. (#44) Sept 1994 - April 1995
- 5 Onat, Emre. (#45) Nov 1994 - April 1995
- 6 Sousa, Jorge (#73) Sept 1995 - April 1996
- 7 Zikovitz, Dan (#72) Sept 1995-April 1996
- 8 Sousa, Jorge (#76) Aug 1996-April 1997
- 9 Jaekl, Phil (#623) Aug 1999-April 2000
- 10 Abreo, Anisha (#251) Summer 2003
- 11 Harrar, Vanessa (#124) Sept 2003-April 2004
- 12 Selvanayarajah, Shamani (#109) Summer 2004
- 13 Jaspreet Kalsey (#87) Summer 2005
- 14 Bahar Salavati (#771) Fall 2005
- 15 Shree Kargutkar (#???) Summer 2006
- 16 Mark Rootenberg (#???) Fall/Winter 2010/11
- 17 Jessica Jeyakanthan Fall/Winter 2018/19

RAY STUDENTS

1. Michael Carnevale (student number 207353113) Fall/Winter 2010/11
2. Anousha Usman (student number **209640145**) Fall/Winter 2010/11
3. Bobbak Mahooie 2014
4. Yasmeenah Elzein 2014
5. Karina Chornenka 2016
6. Deborah Alexe 2017
7. Yi-Sha (Isabella) Lim 2017

NSERC SUMMER STUDENTS

- 1 Sidlovsky, Greg (summer 1995)
- 2 Selvanayarajah, Shamani (summer 2003)
- 3 Sadeh, Morteza (summer 2008)

EXTERNAL EXAMINER

- 1 Rey, G. *The analysis of vestibular eye movements*. PhD Thesis. 1992 Sept. (supervisor: Mimi Galiana, Biomedical Engineering, **McGill University**).
- 2 McConville, Kristiina Mai Valter. *Single cell responses in the vestibular nuclei during combined head rotation and translation with ocular convergence*. PhD Thesis. 14 Sept 1994 (Supervisor: Dave Tomlinson, Dept Otolaryngology, **University of Toronto**)

- 3 Miyoshi, Hiroto. *The effect of combined illusions*. PhD Thesis (University of Toronto, Department of Psychology) Oct 1994 (Supervisor: John Kennedy, Dept Psychology, **University of Toronto**).
- 4 Barnes, Claire. *Human eye saccades to targets of low energy*. PhD Thesis April, 1995 (Supervisor: Peter Hallett, Dept Physiology, **University of Toronto**)
- 5 Wells, Elizabeth *The effect of aging on the mammalian visual system*. 20 July 1998 MSc thesis (supervisor J. Mendelsohn, Psychology, **University of Toronto**)
- 6 Bacon, Benoit A. (30 April 1999) *Etudes des substrats neurologiques de la stereosie chez le chat*. 1999 PhD thesis. (supervisors: Franco Lepore & Pierre Guillemont, **Université de Montreal**)
- 7 Priesol, Adrian (*Pending*) *Control of cat eye movements* (supervisor Dianne M. Broussard, IMS, **University of Toronto**)
- 8 Musallam, Sam (*Summer 2001*) *Otolith-canal interactions in the vestibular nucleus* PhD Thesis (Supervisor: Dave Tomlinson, Dept Otolaryngology, **University of Toronto**)
- 9 Huterer, Marko (*Summer 2001*) *Characterization of vestibulo-ocular reflex dynamics: responses to head perturbations during gaze stabilization versus gaze redirection*. MSc Thesis (supervisor: Kathy Cullen, Physiology, **McGill University**)
- 10 Schreiber, Kai (Dec 17, 2002) *Three-dimensional eye movements and stereopsis* (supervisor: Doug Tweed, Physiology, **University of Toronto**)
- 11 Crowder, Nathan (14 Aug, 2003) *Accessory optic system in the pigeon* (supervisor: Doug Wong-Wylie, Physiology, **University of Edmonton**, Alberta)
- 12 Peterson, Michael (18 Sept, 2003) *Inhibiting the flocculus of cats* (supervisor: Dianne Broussard, Physiology, **University of Toronto**)
- 13 Marlene Luis (16 Sept., 2008) *Visual vestibular interactions during aerial skills* (supervisor: Luc Tremblay, Kinesiology, **University of Toronto**)
- 14 Anca Stratulat (Oct 2011) *Multisensory interaction study for the perception of car motion in driving simulator*. (supervisor: Christophe Bourdin, Institut des Sciences du Mouvement, Universite de la Mediteranee, Marseille, France)
- 15 Michelle Cadieux (Sept 2013) *Crossing the midline: an exploration of reference frame conflict* (Supervisor, David Shore, McMaster, ON, Canada)
- 16 Jennifer Milne (Summer 2014) *Seeing with sound: investigating the behavioural applications and neural correlates of human echolocation* (Supervisor: Mel Goodale, Western, ON, Canada)
- 17 Adam Toth (PhD) (Summer 2016) *Balance and GVS* (Supervisor: Leah Bent, Guelph, ON, Canada)
- 18 Robert A Keys (Masters) (Fall 2016) *Multisensory temporal processing in own-body contexts: Do bodily-self cues affect visual-tactile temporal perception?* (Supervisor: Regine Zopf, Macquarie University, Australia)
- 19 Séamus Weech (PhD) (Summer 2017) *The impact of noisy vestibular stimulation on self-motion phenomena* (Supervisor: Niko Troje, Queens, ON, Canada)
- 20 Jack Brooks (PhD) (Fall 2017) (Supervisors: Tatjana Seizova-Cajic and Janet Taylor, University of New South Wales, Australia)