

CURRICULUM VITA -- Dec, 2011 John M. Kennedy, FRSC

A. Biographical Information

Name: John M. Kennedy  
Date of Birth: November 29, 1942  
Citizenship: Canada and U.K.  
Home address: 30 Rustywood Drive,  
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Degrees:

B.Sc.	Queen's University, Belfast, U.K.	1965
	(First Class Honours: Thesis Supervisor: Dr. P. McEwen)	
M.Sc.	Queen's University, Belfast, U.K.	1966
	(Experimental Psychology: Thesis Supervisor: Dr. P. McEwen)	
Ph.D.	Cornell University, Ithaca, New York	1971
	Major Subject: Experimental Psychology	
	Advisor: Dr. J. J. Gibson	
	Minor Subjects: Psycholinguistics	
	Advisor: Dr. E. Lenneberg	
	Developmental Psychology	
	Advisor: Dr. H. Ginsburg	

Title of Ph.D. Thesis: Line representation and pictorial perception

Employment: University of Toronto

Present appointment: Emeritus, Jan 1 2010.

University Professor (distinguished rank) 2009 June 1  
Department of Psychology

Date of appointment to graduate school: 1973

Date of tenure award: 1976

## Previous positions:

- Chair, Department of Life Sciences July 1, 2003-June 30, 2006
- Full Professor, Department of Psychology 1984-2009
- Associate Professor, Division of Life Sciences 1976-1984
- Assistant Professor, Division of Life Sciences 1972-1976  
Scarborough College, University of Toronto
- Assistant Professor, Department of Social Relations, 1970-1972  
Harvard University (Cross-appointed to Harvard  
Graduate School of Education 1970-72,  
Department of Visual and Environmental Studies, 1972;  
Psychology Department, 1972).

## Honours, Awards, Boards:

- 2011 Youtube: Extraordinary People: The artist with no eyes: Esref Armagan reaches over 1 million hits: 700,000+ hits in English, 300,000 with Turkish subtitles, and a further 500,000 on Turkish sites. <http://br.youtube.com/watch?v=L3AgO6H0H98>
- 2010 Invited address to Convocation, June 8, University of Toronto Scarborough science graduation.  
Invited address: Manifesta 8, Cartagena, Spain (Oct 2)
- 2009 University of Toronto "University Professor" (distinguished rank) July 1.
- 2009 "The science of the senses: Touch," (Director B. Dickie: The Nature of Things, CBC). Winner of two Golden Sheaf Awards: Best documentary/short film in Science/Medicine, and Research, at Best of Canadian Film: Yorkton Short Film and Video Festival, Saskatchewan, May 22-25. Sponsor Telefilm Canada.
- 2008-9 Fellow, Berlin Centre for Advanced Study Sept 2008 – July 2009: Wissenschaftskolleg zu Berlin.
- 2008 May-June, Visiting Fellow, Monash University, Australia.
- 2007 Organizing committee: Tactile Research Group meeting Nov 10. (In connection with Psychonomics Society Meeting, Nov 10-13), Long Beach, CA.  
Elyne Quan funded by Alberta Arts Council to write a play on Kennedy tactile pictures research group.  
Discovery Channel, November "The real superheroes" (study of Esref Armagan, being tested by Kennedy. Broadcast worldwide. Available 2008 as "Youtube: Extraordinary people: The artist with no eyes.")
- 2006 October-November Visiting professor, University of Salzburg  
January: Elected Hon. member: St Mary's, Peterborough, UK, Bellringers.  
July: UTSC Graduate Students Association, Photography competition, award winner.  
Organizing committee: Tactile Research Group meeting Nov 16. (In connection with Psychonomics Society Meeting, Nov 16-19), Houston.

- 2005 Fellow of the Royal Society of Canada (Induction: Nov 27)  
 Honoree: Quarter peal of Bells (Bob doubles with bobs and touches):  
 St. Mary's, Peterborough, UK: In recognition of FRSC: Aug 4th 6.30-7.20pm.  
 (Andrew Christie, RM.)  
 Lecture dedicated to JMK: "Art through touch" S. Hayhoe, June 22, London, UK.  
 Organizing committee: Tactile Research Group meeting Nov 10.  
 (In connection with Psychonomics Society Meeting, Nov 10-12), Toronto
- 2004 Organizing committee: Tactile Research Group meeting Nov 6.  
 (In connection with Psychonomics Society Meeting, Nov 6-9). Vancouver
- 2003 American Psychological Association Council of Representatives  
 (Acting Council Representative for Division 10) August 5-10th Toronto
- 2002-3 Organization committee, International Conference on Perception and  
 Action 12, July 13-18th, Gold Coast, Australia
- 2002 The Times (London), Dec 19th (p.5): Top 10 Ideas and Inventions of 2002  
 New York Times, Dec 15th (Magazine p.88): 95 ideas that changed the way we think  
 in 2002
- 2002 Fellow: American Psychological Association, Division 3.  
 Organization Committee, Multimodality of Human Communication Conference,  
 University of Toronto, May 3-5  
 Rudolf Arnheim Award for Outstanding Contributions to Psychology and  
 the Arts: American Psychological Association, Division 10.
- 2001-4 Advisory Board: The New England Institute of Cognitive Science & Evolutionary  
 Psychology
- 2001 Contributor, "The colours of darkness," Best Foreign Video, New York Film  
 Festival, December. ( Director: Gulnihal Anteppli)
- 2000 Visiting Professor, Salzburg University, May 1—Sept 7
- 1999 Chair, Nominating Committee, Division 10, American Psychological Association
- 1998 Fellow: International Association for Empirical Aesthetics
- 1998-01-03 Committee member: Humanities and Social Sciences Federation of Canada:  
 Aid to Scholarly Publications Programme
- 1997-01 Editor: Metaphor and Symbol
- 1998-02 Board member, Audio Description International
- 1997-01-05 Board of the International Society for Ecological Psychology  
 Organizing Committee International Conference on Perception and Action 10,  
 Edinburgh
- 1997 Visiting Fellow, Monash University, Oct./Nov.  
 Organizer: International Conference on Perception and Action, 9, July 20-25,  
 University of Toronto at Scarborough  
 Chair, Fellows Committee, Division 10, Psychology and the Arts, American  
 Psychological Association
- 1995 A.F.W. Plumtre Award, University of Toronto at Scarborough
- 1995-96 Vice President, Toronto Semiotic Circle
- 1994 University of Toronto at Scarborough: Teaching Award  
 Fellow, General Psychology, Division 1, American Psychological Association
- 1994-95 Governing Board, International Summer Institute for Semiotics  
 Science Leaders meetings (January; August) American Psychological  
 Association: Delegate from Division 10, Psychology & the Arts

- 1992 Danish Research Academy: Visiting Professor (Fall), workshop at Aarhus University.  
 President, Psychology and the Arts, Division 10, American Psychological Association  
 Program chair, Psychology and the Arts, Division 10, American Psychological Association: Pictures by the blind exhibited at the Smithsonian in connection with the APA travelling exhibition on psychology, August 1992.
- 1991-92 President, Toronto Semiotic Circle
- 1991 Fellow, Psychology and the Arts, Division 10, American Psychological Association
- 1990-91 Vice President, Toronto Semiotic Circle
- 1990-93 Director, McLuhan Centre, University of Toronto
- 1989 Fellow, Canadian Psychological Association
- 1989-2007 Advisory Board, Art Education of the Blind, New York
- 1984-87 Director: International Society for Ecological Psychology  
 Advisory Panel, International Conference on Psychology & Art, British Psychological Association
- 1978-79 Canada Council Fellowship  
 National Society for the Study of Education, Honorary Member
- 1973 N.A.T.O. Visiting Lecturer to Italy, Britain and Denmark
- 1972 Young Psychologist's Award, American Psychological Association
- 1971 Nominated to Sigma Xi (Full Member)
- 1969-70 Cornell Graduate Fellowship
- 1969 Nominated to Sigma Xi (Associate)
- 1969 Nominated to Phi Kappa Phi (Graduate Honour Society) Cornell University
- 1968-69 Dallenbach Fellowship, Department of Psychology, Cornell University
- 1966 Fullbright Travel Grant to the United States, (extended 1967-70)
- 1966-67 Dunville Studentship, Queen's University Belfast
- 1966 E.S. Montgomery Travelling Scholarship, Queen's University Belfast
- 1965-66 Major State Scholarship, Ministry of Education, N. Ireland
- 1965-66 Dunville Studentship (Scholarship) Queen's University Belfast
- 1965 Honourary Vice-President, Psychology Society, Queen's University Belfast

### **Affiliations and Activities:**

Editor: *Metaphor and Symbol* (1997-2001), Board member: 2002-7  
 Project Zero, Harvard University; Canadian Society for Brain, Behaviour and Cognitive Sciences, Canadian Psychological Association, American Psychological Association, Psychonomic Society, Cognitive Science Society, American Psychological Society, International Society for Ecological Psychology;  
 Editor on first board: *Journal of Visual Communication* (founded 1979); *Metaphor and Symbolic Activity* (founded 1985); *Semiotic Review of Books* (founded 1990); *VISIO* (founded 1996); *International Journal of Applied Semiotics* (founded 1997).  
 Referee for: *American Psychologist*; *Metaphor and Symbolic Activity*; *Journal of Experimental Psychology: Human Perception and Performance*; *Perception*; *Quarterly Journal of Psychology*; *Leonardo*; *Psychologische Forschung* (Psychological Research); *Italian Journal of Psychology*; *Perception & Psychophysics*; *Scientific Aesthetics*; *Interchange*; *Attention and Performance*; *Psychological Review*; National Research Council; Canada Council; Canadian Psychological Association; March of Dimes Research Fund; National Science Foundation; NSERC; NIMH;

Israel Science Foundation; Science; Nature; Journal of Verbal Learning and Verbal Behaviour; Experimental Brain Research; Australian Research Grants Scheme; Ontario Mental Health Foundation; Cognitive Psychology; British Columbia Research Grants; Canadian Journal of Psychology; King's College Research Grants; Killam Fellowships; Child Development; Spatial Vision; Getty Museum; Queen's Quarterly; Journal of Experimental Child Psychology; Guggenheim Foundation; Rockefeller Foundation; Theory and Psychology; United States-Israel Binational Science Foundation; Cognitive Development; Psychonomic Bulletin and Review; Developmental Psychology; Social Sciences and Humanities Research Council; Scandinavian Journal of Psychology; Human Factors; Journal of Aesthetics and Art Criticism; European Conference on Visual Perception, Discourse Processes, Neuro-psychologia, Experimental Aging Research, Journal of Mind and Behavior, Experimental Brain Research, Mathematical and Computer Modelling, Psychological Science, Current Psychology Letters. Memory and Cognition. SpeechPathology.com. Open Semiotics Resource Centre; Reserch Fond de Quebec; Cognitive Development. New Ideas in Psychology; Acta Psychologica; Proceedings of the National Academy of Science. Journal of Vision. Economic and Social Research Council, UK.

## B. Academic History

### a) Research activities

#### 1. TOUCH AND PICTURES

Line depicts surface edges – figure-ground (occlusions) and figure-figure (corners) -- for the sighted and the blind.

Touch discovers directions of objects from the observer.

Drawing development begins with shapes of parts of objects, and later is based on directions of the parts. We draw fronts, then foreshorten and then use convergence.

Metaphoric pictures using features of shape are understood similarly by the blind and the sighted.

Passive haptic perception of raised-line drawings is superior to active perception because more resources can be devoted to the incoming information in the passive condition.

#### 2. VISION AND PICTURES

Line creates impressions of surface edges in vision and touch using an axis of a line.

Absence of a positive contour or presence of a negative contour will prevent outline from showing shape-from-shadow.

Vision's approximation to perspective underestimates the rate of foreshortening.

Perspective creates illusions on picture surfaces.

Visual input has 8 kinds of borders – 2 (luminance/spectral) by 2 (static/kinetic) by 2 (monocular/binocular). These show illumination and reflectance contours and surface edges.

Kinetic edges based on accretion and deletion of texture can show foreground on either the accreted or the deleted side of the edge.

#### 3. METAPHOR, PICTURES AND SYMBOLS

Tropes use features shared by the topic and vehicle.

Metaphor requires more apt features than similes, and analogies and form symbols fewer.

Form symbols have the same meanings to observers from different language groups.

#### 4. INFORMATION AND ILLUSION

Illusions are dispelled from suitable vantage-points.

Distribution of visual information around an object contour should be regular for efficient recognition.

Illusions combine with additive results. Veridical information is not additive - it is affirmative.

#### 5. SUBJECTIVE CONTOURS

Subjective contour brightness is due to centre-surround effects.

#### b) Research Grants

Agency	Dates	Funds p.a.
NSERC (operating grant)	2008-13	15,900
Wissenschaftskolleg zu Berlin	2008-9	102,000
NSERC (operating grant)	2007-8	16,000
UTSC research support	2007-8	12,000
Ontario TSTOP	2006-7	20,000
Administration research support	2003-6	20,000
N.S.E.R.C (operating grant, fund end date Mar 31 2007)	2000-2006	20,000
N.S.E.R.C. (operating grant) initial award	1996-2000	12,500
	[1999-2000	14,438]
N.S.E.R.C. (operating grant)	1993-96	10,000
Telecommunications Advancement Organization of Japan (Collaborative grant with I. Kumazawa et al. Funds pa total is my share)	1997 Jan-March	5,445.06
Danish Research Academy	1992	11,000
Bureau von System Ontwikkeling (to McLuhan Inst. of which one part is my affiliation - the Perspective Unit)	1991-1994	150,000
N.S.E.R.C. (operating grant)	1987-1990	20,000
	1984-1987	19,125
	1981-1984	10,500
	1978-1981	11,500
Humanities and Social Science Research Committee (Travel grant), Toronto U.	1983	858
A.S. Hellyer (with B. Richardson)	1979-1980	5,000
Canada Council Leave fellowship	1978-1979	18,000

## Research Grant

Connaught Fund (with 3 others)	1977-1979	80,000
Medical Research Fund	1977	1,200
N.R.C.	1975-1978	8,500
Toronto University	1972-1973	1,000
Harvard Faculty Fund	1970-1972	2,000

## C. Note on Publications and Papers.

These are divided into three groups. First, refereed articles. (JEP: General is the flagship APA experimental journal. Psychonomic Bulletin and Review is the flagship journal of the Psychonomic Society. Perception & Psychophysics is its major perception journal. Perception is the top European journal in perception. Metaphor & Symbol is the specialized journal for metaphor research. Others are specialized journals.) Second, books, invited chapters and articles. The third, entitled Papers includes a larger miscellany: conference papers, comments and pre-doctoral theses are included. Talks given as colloquia or as interviews in E.

## **Publications Refereed**

Wnuczko, M. & Kennedy, J. M. (2011) Pivots for pointing: visually-monitored pointing has higher arm elevations than pointing blindfolded. Journal of Experimental Psychology: Human Perception & Performance, *37*, 1485-1491

Kennedy, J. M. & Hammad, S. (2011) Foldout includes foreshortening in drawings by a blind man. Rivista di Estetica, *47*, 31-45 (Special issue on drawing).

Kennedy, J. M. & Hammad, S. (2010) Maniatis's arguments about impossibilities and rigging in Hammad et al. (2008): The importance of Pizlo (2008). Seeing and Perceiving, *23*

**DOI:** 10.1163/187847509X12605137947501. Feb 2, 2010

Bhasin, S., Kennedy, J. M. & Niemeier, M. (2010) Emotional expression on a profile: feature height, mouth angle and tilt. Attention, Perception and Psychophysics, *72*, 187-192.

**DOI:** 10.3758/APP.72.1.187

Kennedy, J. M. (2009) Outline, mental states and drawings by a blind woman Perception, *38*, 1481-1496

**DOI:** 10.3758/APP.71.2.217

Juricevic, I., Kennedy, J. M. & Abramov, I. (2009) Foreshortened tiles in paths converging on an observer viewing a picture: Elevation and visual angle ratio determine perceived size Attention, Perception & Psychophysics, *71*, 217-224

**DOI:** 10.3758/APP.71.2.217

Kennedy, J. M. (2008) Metaphoric drawings devised by an early-blind adult on her own initiative Perception, *37*, 1720-1728.

**DOI:** 10.3758/APP.71.2.217

Hammad, S., Kennedy, J. M., Juricevic, I. & Rajani, S. (2008) Ellipses on the surface of a picture. Perception, *37*, 504-510

**DOI:** 10.1068/5840

Hammad, S., Kennedy, J. M., Juricevic, I. & Rajani, S. (2008) Angle illusion on a picture's surface. Spatial Vision, *21*, 451-462

**DOI:** 10.1163/156856808784532554

- Kennedy, J. M., Juricevic, I., Hammad, S. & Rajani, S. (2007) Perspective: Arnheim and in-between solutions. Psychology of Aesthetics, Creativity and the Arts, 1, 40-46
- Kennedy, J. M. & Juricevic, I. (2006) Blind man draws using diminution in three dimensions. Psychonomic Bulletin and Review, 13 (3), 506-509.
- Heller, M. A., Kennedy, J. M., Clark, A., McCarthy, M., Borgert, A., Fulkerson, E., & Wemple, L. A., Kaffel, N., Duncan, A., & Riddle, T. (2006). Viewpoint and orientation influence picture recognition in the blind. Perception, 35, 1397-1420.
- Juricevic, I. & Kennedy, J. M. (2006) Looking at perspective pictures from too far, too close and just right. Journal of Experimental Psychology: General, 135(3), 448-461.
- Kennedy, J. M. & Juricevic, I. (2006) Foreshortening, convergence and drawings from a blind adult. Perception, 35, 847 – 851
- Roncero, T., Kennedy, J. M. & Smyth, R. (2006) Similes on the internet have explanations. Psychonomic Bulletin and Review, 13(1) 74-77
- Kennedy, J.M. (2005) Lo tangible y lo visible en los dibujos que realizan las personas ciegas. [Drawings by the blind use what is visible as well as what is tangible.] Integracion, 44, 7-12.
- Kennedy, J. M. & Bai, J. (2004) Line at shape-from-shadow border tested with stereo. Perception, 33, 653-665 [Figure selected for Viper website, perception displays: York Univ, UK]
- Vervaeke, J. & Kennedy, J. M. (2004) Conceptual metaphor and abstract thought. Metaphor & Symbol, 19(3), 213–231
- Kennedy, J. M. & Juricevic, I. (2003) Haptics and projection: Drawings by Tracy, a blind adult. Perception, 32, 1059-1071
- Kennedy, J. M. (2003) Drawings from Gaia, a blind girl. Perception, 32, 321-340
- Chiappe, D., Kennedy, J.M. and Chiappe, P. (2003) Aptness is more important than comprehensibility in predicting recognition bias and preference for metaphors and similes. Poetics, 31, 51-68
- Chiappe, D., Kennedy, J. M. and Smykowski, T. (2003) Reversibility, aptness and the conventionality of metaphors and similes. Metaphor and Symbol, 18, 85-105
- Kennedy, J. M. and Juricevic, I. (2002) Foreshortening gives way to forelengthening Perception, 31, 893-894.
- Kennedy, J.M. and Bai, J. (2002) Haptic pictures: fit judgments predict identification, recognition memory, and confidence Perception, 31, 1013-1026
- Kennedy, J. M. (2002) Eclipse, shape-from-shadow and perceiving astronomic size – Earth's. Perception, 31, 1027-1029
- D'Anguilli, A. & Kennedy, J. M. (2001) Children's tactual exploration and copying without vision International Journal of Rehabilitation Research, 24, 233-234
- Chiappe, D. & Kennedy, J. M. (2001) Literal bases for metaphor and simile. Metaphor and Symbol [Special issue Editor: R. Giora], 16, 249--276
- D'Anguilli, A. & Kennedy, J. M. (2000) Guided exploration enhances tactual picture recognition in blindfolded sighted children. International Journal of Rehabilitation Research, 23, 319-320
- Kennedy, J. M. & Merkas, C. (2000) Depictions of motion devised by a blind person. Psychonomic Bulletin and Review, 7, 700-706
- Kennedy, J. M. & Bai, J. (2000) Cavanagh and Leclerc shape-from-shadow pictures: do line versions fail because of the polarity of the regions or the contour? Perception, 29, 399-407
- Cavanagh, P. & Kennedy, J. M. (2000) Close encounters: small details veto depth from shadows, Science, 287, 2451



- Chiappe, D.L. & Kennedy, J.M. (2000) Are metaphors elliptical similes? Journal of Psycholinguistic Research, 29, 371--398
- Chiappe, D.L. & Kennedy, J.M. (1999) Aptness predicts preference for metaphors or similes as well as recall bias. Psychonomic Bulletin and Review, 6, 668--676
- Mirabella, G. & Kennedy, J.M. (1999) Which way is upright and normal? Haptic perception of letters above head level. Perception & Psychophysics, 61, 909-918.
- Kennedy, J. M. & Chiappe, D. (1999) What makes a metaphor stronger than a simile? Metaphor and Symbol, 14, 63--69. [Special issue]
- D'Angiulli, A., Kennedy, J. M. & Heller, M.A. (1998). Blind children recognizing tactile pictures respond like sighted children given guidance in exploration. Scandinavian Journal of Psychology, 39, 189-190.
- Kennedy, V. R. & Kennedy, J. M. (1998) Form symbolism can be extended by style Acta Analytica , 20, 155—174.
- Liu, C.H. & Kennedy, J.M., (1997), Form symbolism, analogy and metaphor Psychonomic Bulletin & Review, 4, 546-551.
- Vervaeke, J. & Kennedy, J.M. (1996). Metaphors in language and thought: Disproof and multiple meanings. Metaphor and Symbolic Activity, 11 , 273-284.
- Berntsen, D. & Kennedy, J.M. (1996) Unresolved contradictions specify attitudes - in metaphor, irony, understatement and tautology. Poetics, 24, 13-29.
- Nicholls, A. L. & Kennedy, J.M. (1995). Foreshortening in cube drawings by children and adults. Perception, 24, 1443-1556.
- Heller, M.A., Kennedy, J.M. & Joyner, A.D. (1995). Production and interpretation of pictures of houses by blind people. Perception, 24, 1049-1058.
- Liu, C. H. & Kennedy, J. M. (1995). Misalignment effects in 3-D versions of Poggendorff displays. Perception & Psychophysics, 57, 409-415.
- Liu, C. H. & Kennedy, J. M. (1994). Symbolic forms can be mnemonics for recall. Psychonomic Bulletin & Review, 1, 494-498.
- Kennedy, J. M. & Kennedy, V. R. (1994). Realism as a basis for reinterpretation in visual metaphor, Canadian Journal of Rhetorical Studies, 4, 106-120.
- Kennedy, J.M. (1994). Diderot, Katz and axial theory of outline tactile pictures. Revista de Psicologia, General y Aplicada, 47, 25-39. (Translated by J.C.F. Trespalacios)
- Berntsen, D. & Kennedy, J.M. (1994). Contradictions between metaphors: A means of expressing an attitude. Metaphor & Symbolic Activity, 9, 193-210.
- Nicholls, A. & Kennedy, J.M. (1993). Angular subtense effects on perception of polar and parallel projections of cubes. Perception & Psychophysics, 54, 763-772.
- Nicholls, A. & Kennedy, J.M. (1993). Foreshortening and the perception of parallel projections. Perception & Psychophysics, 54, 665-674.
- Kennedy, J.M., Green, C.D. & Vervaeke, J. (1993). Metaphoric thought and devices in pictures. Metaphor & Symbolic Activity, 8, 243-255.
- [Kennedy, J. M. & Kennedy, V.R. (1993). Issue editors: Metaphor and Pictures. Metaphor & Symbolic Activity, 8, #3.]
- Kennedy, J. M. & Vervaeke, J. (1993). Metaphor and knowledge attained via the body. Philosophical Psychology, 6, 407-412.
- Kennedy, J. M., Green, C. D., Nicholls, A. & Liu, C. H. (1992). Illusions and knowing what is real. Ecological Psychology, 4, 153-172.
- Nicholls, A. & Kennedy, J. M. (1992). Drawing development: from similarity of features to direction. Child Development, 63, 227-241.

- Kennedy, J. M. (1990). Metaphor: Its intellectual basis. Metaphor & Symbolic Activity, 5, 115-123.
- Heller, M. A. & Kennedy, J.M. (1990). Perspective taking, pictures, and the blind Perception & Psychophysics, 48, 459-466.
- Kennedy, J. M. & Portal A. (1990) Illusions: Can change of vantage point and invariant impressions remove deception? Ecological Psychology, 2, 37-53.
- Kennedy, J.M. (1989). Universals of depiction, illusion as non-pictorial and limits to depiction. Behavioral & Brain Sciences, 12, 88-90.
- Kennedy, J.M. (1988). Line endings and subjective contours. Spatial Vision, 3, 151-158.
- Kennedy, J. M. & Domander R. (1986). Blind people depicting states and events in metaphoric line drawings. Metaphor & Symbolic Activity, 1, 109-126.
- Kennedy, J. M. & Domander R. (1986). Postures of twig figures: Reactions by the blind and the sighted. International Journal of Rehabilitation Research, 9, 63-66.
- Kennedy, J. M. (1985). Its all done with mirrors: Proof of non-existence Perception, 14, 513-514.
- Kennedy, J. M. & Domander R. (1985). Shape and contour: the points of maximum change are least useful for recognition. Perception, 14, 367-370.
- Kennedy, J. M. (1985). Arnheim, Gestalt theory and pictures Visual Arts Research, 11, 23-44.
- Kennedy, J. M. and Campbell. (1985). Convergence principle in blind people's pointing. International Journal of Rehabilitation Research, 8, 189-210.
- Kennedy, J. M. & Gabias P. (1985). Metaphoric devices in drawings of motion mean the same to the blind and the sighted. Perception, 14, 189-195.
- Kennedy, J. M. (1984). Gombrich and Winner: Schema theories of perception in aesthetics Visual Arts Research, 10, 30-36.
- Kennedy, J. M (1984). Drawings by the blind: Sighted children and adults judge their sequence of development Visual Arts Research, 10, 1-6.
- Kennedy, J. M. & Domander, R. (1984). Pictorial foreground-background reversal reduces tactual recognition by the blind Journal of Visual Impairment and Blindness, 78, 215-216.
- Kennedy, J. M. (1983). What can we learn about pictures from the blind? American Scientist, 71, 19-26.
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- Kennedy, J. M. (1982). Depiction and its psychology Journal of Biocommunication, 9, 9-17.
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- Kennedy, J. M. (1980). A commentary on Rudolf Arnheim's approach to art and visual perception Leonardo, 13, 117-122.
- Magee L. E. and Kennedy, J. M. (1980). Exploring pictures tactually. Nature, 283, 287-288.
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- Kennedy, J. M. (1977). African peoples abilities with outline drawings. Journal of Aesthetics and Art Criticism, 35, 293-300.
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- Kennedy, J.M. (1976). A figure density hypothesis and illusory contour brightness. Perception, 5, 387-392.
- Kennedy, J. M. (1976). Comments on Deregowski's analysis of seeing a picture for the first time. Leonardo, 9, 219-221.
- Kennedy, J. M. & Ross A. (1975). Outline picture perception by the Songe of Papua. Perception, 4, 391-406.
- Masterton, B. & Kennedy, J.M. (1975). Building the devil's tuning fork. Perception, 4, 107-109.
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- Kennedy, J. M. (1975). Depth at an edge, coplanarity, slant depth, change in direction and change in brightness in the production of subjective contours. Italian Journal of Psychology, 2, 107-123.
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- Kennedy, J. M. (1973). Misunderstandings of figure and ground. Scandinavian Journal of Psychology, 14, 207-209.
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1. Sensory experience
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### **Papers**

- Kennedy, J. M. (2011) What is a picture in vision and touch? Cave art outline, Renaissance perspective and modern metaphors. Conference in honour of John Michael Krois: Bodies in action & symbolic forms: Zwei seiten der Verkoerperungstheorie. Humbolt University, Nov 4-6<sup>th</sup>.
- Hammad, S. & Kennedy, J. M. (2011) Apparent motion as depth information increases a pictorial-surface angle illusion. International Conference on Plasticity of Vision, York University, June 14-18.
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- Roncero, C., Kennedy, J.M., & Ashby, J. (2011) Online evidence that online metaphors are not (like) similes: Eye movements while reading internet metaphors. University of Heidelberg, Processing and Appreciating Figurative Language Workshop. Heidelberg, Germany. 12 May.
- Wnuczko, M., Kennedy, J. M. & Niemeier, (2011) Vision overestimates distant acute angles and lengths on the ground plain. Program in Neuroscience Poster Day, April 14.
- Deonarine, J., Kennedy, J. M. & Smyth, R. (2010) Increase in volume changes [ga] to [da] to [ba] in McGurk Effect. Southern Ontario Neuropsychology Association, May 7, Brock University.
- Kennedy, J. M. & Ragheb, H. (2010) Spontaneous colour imagery in a blind woman: Bonnet syndrome? Southern Ontario Neuropsychology Association, May 7, Brock University.
- Wnuczko, M., Kennedy, J. M. & Niemeier, M. (2010) As distance increases, pointing tasks reveal change in elevation is faster than change in azimuth: evidence from blindfolded and blind. Southern Ontario Neuropsychology Group, May 7, Ryerson University.
- Wnuczko, M., Kennedy, J. M. & Niemeier, M. (2010) Touch is sufficient for perception of perspective. Program in Neuroscience Poster Day, April 14, University of Toronto.
- Chan, H., Haji, B., Ilie, G., Juricevic, I., Kennedy, J. M. & Press, D. (2010) Location of features influences perceived expression: Posture theory tested with perspective. University of Toronto



- Interdisciplinary Symposium on the Mind: The Place of Emotions in the Cognitive Sciences. Mar 6, University of Toronto.
- Kennedy, J. M. (2009) Outline, mental states and drawings by a blind woman. Psychonomics Society meeting, Nov 19-22, Boston, MA.
- Kennedy, J. M. & Hammad, S. (2009) Ben and EW: Diaspora in the middle drawing-development period despite high education. Tactile Research Group meeting. Psychonomics Society, Nov 19, Boston, MA. (Invited address.)
- Hammad, S., Kennedy, J. M., Brazier N., and Angle K.Y. (2009) Illusion with double and quarter height cubes. International conference on Vision in 3D environments, Centre for Vision Research, York University, North York, CA, June 22—24.
- Kennedy, J. M. (2009) Outline pictures for the sighted and the blind. Verkoperung Conference, Romain Motier, May 7-10.
- Hammad, S. and Kennedy, J. M. (2009) Angle illusion with convergence and no foreshortening. Program in Neuroscience Posters, University of Toronto, April 16.
- Sui, J. , Liu, C. H. and Kennedy, J. M. (2008) Effects of active exploration on face recognition: Electrophysiological evidence. Psychonomics Society meeting, Nov 13-16, Chicago, IL.
- D'Angiulli, A. and Kennedy, J.M. (2008). [Abstract] Drawings by blind people who had sight for an extended period. *International Journal of Psychology*, 43 (3/4) June/August, 715. Presented at the 29<sup>th</sup> International Congress of Psychology, Berlin, July 20-25 in the invited symposium “Perception, action and graphic representation.”
- Kennedy, J. M. (2008) Theory of outline and perspective in pictures by the sighted and the blind (Esref, Eriko, Gaia and Ben). Conference on pictures and imagination in psychology and philosophy, Gargnano, Italy, June 18-20
- Bhasin, S. & Kennedy, J. M. (2008) Emotional expression happier for higher features on a face profile. Southern Ontario Neuroscience Meeting, London, Ontario, May 9
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- Roncero, T., Kennedy, J. M., Smyth, R. and de Almedia, R. (2007) Comparing the online interpretation processes of metaphors and similes. Psychonomics Society meeting, Nov 15-18, Long Beach, CA.
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- Juricevic, I., Rajani, S., Hammad, S. & Kennedy, J. M. (2007) Projection biases perceived angles on a picture surface. International conference on Cortical Mechanisms of Vision, Centre for Vision Research, York University, North York, CA, June 19—23.
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- Kennedy, J. M. & Juricevic, I. (2006) Perception and illusion: Propaganda vs. a defense of realism. International Summer School on “War: Fact and Fiction,” University of Maribor, Slovenia, June 26th-July 7th.
- Kennedy, J. M. & Juricevic, I. (2006) Perception’s perspective discovered twice? First the sighted Brunelleschi in the 1400s and second the blind Esref in the 2000s? 74th Annual Meeting of Association Francophone pour le Savoir, May 15, Montreal.
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- Kennedy, J.M. & Juricevic, I. (2005) Esref Armagan and perspective in tactile pictures. Art beyond Sight: Multimodal Approaches to Learning conference, Metropolitan Museum of Art/Museum of Modern Art, NY. October 14 -15, 2005.
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- Juricevic, I. and Kennedy, J. M. (2003) Foreshortening and forelengthening: Underestimated much more than perspective predicts. Paper presented at the Psychonomic Society meeting, Nov.6-9, Vancouver.
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- ( Full text on website:  
[http://www.semioticon.com/virtuals/multimodality2/talks/kennedy\\_juricevic.htm](http://www.semioticon.com/virtuals/multimodality2/talks/kennedy_juricevic.htm)).
- Chiappe, D. and Kennedy, J. M. (2001) Metaphor or simile: apt or conventional? And what changes? Paper presented at the Psychonomic Society meeting, Nov. 15-18, Orlando
- Kennedy, J. M. (2001) Parallel projection in drawings from Gaia, a blind girl. Paper presented at the Psychonomic Society meeting, Nov. 15-18, Orlando
- Kennedy, J. M. (2001) Projection systems in drawings by the blind. Tactile Research Group meeting, Psychonomics Society, Nov 14, Orlando.
- Kennedy, J. M. (2001) Smart pictures: Invisible ties in vision and touch. Arnheim Award invited address. American Psychological Association conference, August, 24-28, San Francisco.
- Juricevic, I. and Kennedy, J. M. (2001) Judging visual angles: Deviations towards metric size judgments. International Conference on Perception and Action 11. University of Connecticut, Storrs, Ct., June 24-29.
- Kennedy, J. M. and Todorovic, D. (2001) Cognitive variables have no effect on gradient-induced lightness illusions. American Psychological Society conference, June 14-17, Toronto
- Bai, J. and Kennedy, J. M. (2001) Shape-from-shadow and binocular vision American Psychological Society conference, June 14-17, Toronto.
- Juricevic, I. and Kennedy, J. M. (2001) Visual angle judgments: nonadditivity. Conference on Levels of Perception, York University, North York, CA, June 19—22.
- Kennedy, J.M. and Bai, J. (2000) Tactile picture recognition: judgments of fit correlate across groups, produce high confidence. Tactile Research Group meeting, Psychonomics Society, Nov 16, New Orleans.
- Chiappe, D. and Kennedy, J. M. (2000) Literal bases for metaphor and simile: Category and similarity claims. Paper presented at the Psychonomic Society meeting, Nov. 17-20, New Orleans.

- Kennedy, J.M. (2000) Drawings by blind people with experience in drawing. International conference on art and the blind, Oct 30-31, Bologna
- Kennedy, J.M. (2000) Why do blind children enjoy art? Annual meeting of the Trustees of the American Printing House for the Blind, Oct 13—15, Louisville, Kentucky
- Kennedy, J.M., Liu, C.H., Challis, B. and Kennedy, V. (2000) Symbolic form: Danish, Japanese and Slovene. International Society for the Empirical study of Literature meeting July 31-Aug 4, Toronto.
- Kennedy, J.M. and Bai, J. (1999) Judgement of fit predicts identification of tactile pictures, recognition memory. Paper presented at the Psychonomic Society meeting, Nov. 18-21, Los Angeles
- Cabe, P.A., Abele, P.N. and Kennedy, J.M.(1999) Dominance of binocular depth information over competing kinetic occlusion information. Paper presented at the Psychonomic Society meeting, Nov. 18-21, Los Angeles
- Kennedy, J.M.(1999) Haptics and pictures: Past, present and future. Paper presented at the International Conference on Perception and Action, 10, Edinburgh, August 8-13.
- Jurivecic, I. and Kennedy, J.M. (1999) Attending to the relations between visual angles: errors for both eyes are attracted by metric-size ratios as angular separation of targets increases. Conference on Vision and Attention, York University, Canada, June 22nd—26th.
- Kennedy, J.M. and Bai, J. (1999) Cavanagh and Leclerc shape-from-shadow pictures: do line versions fail because of the polarity of the regions or of the coastline? Conference on Vision and Attention, York University, Canada, June 22nd--26th.
- Kennedy, J.M. and Chiappe, D.L. (1998) Are metaphors elliptical similes? Paper presented at the meeting of the Psychonomic Society, Dallas, Texas, November 19--22.
- Kennedy, J.M. (1998) Esref's wheels and depictions of motion in static pictures. Paper presented at the Tactile Research Group meeting, Dallas, Texas, November 18th.
- Kennedy, J.M. (1998) Tactile pictures: what enables recognition, recall and good errors? Second Swedish symposium on Multimodal Communication, Lund, October 16--17.
- Kennedy, J.M. (1998). Perception: Consistency and contradiction in the service of realism. Invited address to the Learning in Museums Symposium, National Museum, Stockholm, Sweden, June 11-12
- Kennedy, J.M. (1998). Explaining the ability to recognize pictures via touch: Axis theory. Invited address to conference on Representation and Blindness, San Marino, May 22-23.
- Kennedy, J.M. (1997). When is a metaphor stronger than a simile? Conference on Cognitive Theories of Intertextuality, Tel Aviv University, Tel Aviv, Dec. 30-31.
- Kennedy, J.M. (1997) What makes a metaphor stronger than a simile? Researching and Applying Metaphor II Conference. Copenhagen, May 29-31.
- Kennedy, J.M. and D'Angiulli, A. (1997) Children exploring passively recognize as many tactile pictures as adults. Society for Research in Child Development meeting, Washington, D.C., April 3-6.
- Kennedy, J.M. and Eriksson, Y. (1997) Blind children recognizing pictures and making drawings: Origins of pictorial abilities. College Art Association 85th Annual Meeting, February 12-15, New York.
- Steven L. Funk, John M. Kennedy, and Itsuo Kumazawa (1997) Features of Figure-Ground Separation: Contours, Axes, Corners, and Junctions. Paper presented at the '2nd International Conference on Computational Intelligence and Neuroscience (ICCIN2)', part of the 'Joint Conference of Information Science (JCIS'97)', Research Triangle Park, North Carolina, USA, March 1 - 5.

- Kennedy, J.M. (1996) Theory of tactile pictures for the blind. Conference on Pictures for the Disabled, Stockholm, December 4th.
- Kennedy, J.M. and Chiappe, D. (1996) Metaphors involve more features than similes. Psychonomics Society, Nov. 1-3, Chicago
- Steven L. Funk, Itsuo Kumazawa and John M. Kennedy (1996) The Role of Non-Linear Receptive Fields in Shift-Invariant Feature Extraction. Poster Presented at the 'Meeting on Image Recognition and Understanding 96 (MIRU 96)' Nara Institute of Science and Technology, Nara, Japan, July 17 - 19.
- Miyoshi, H. and Kennedy, J.M. (1995) Combining illusions: A perfect additivity model fits imperfect-additivity results. Psychonomics Society meeting, Nov. 10-12, Los Angeles.
- D'Anguilli, A., Kennedy, J.M. and Heller, M.A. (1995) Tactile picture recognition by blind and sighted children. Tactile Perception Research Group, Psychonomics Society meeting, Nov. 9, Los Angeles.
- Kennedy, J.M. (1995). Where is the information in a picture or a symbol? Invited address, Division 10, American Psychological Association, August 11-15, New York.
- Kennedy, J.M. (1995) Metaphor in pictures: Metonymy evokes classification American Psychological Association, August 11-15, New York.
- Kennedy, J.M., Mirabella, G. and Navaratnam, A. (1995) Distal touch: Space, haptics and orientation. In Symposium on Haptic Information for Spatial Perception. International Conference on Perception and Action, July 9-14, Marseille.
- Kennedy, J.M. and Funk, S. (1995) Outline perception: Three theories of axes. International Conference on Visual Coding, York University, June 20-24.
- Kumazawa, I., Kennedy, J.M., Grinnell, P. (1995) Alignment: Two models tested with an apparent motion task. International Conference on Visual Coding, York University, June 20-24.
- Kennedy, J.M. and Mirabella, G. (1994). Haptic objects participate in 3-D spatial transformations (with G. Mirabella) Tactile research group, Psychonomics Society meeting, St. Louis, MO, November 10.
- Kennedy, J.M., Liu, C.H. and Miyoshi, H. (1994). Accretion/Deletion: Shafts of illumination through dusty air, Psychonomics Society meeting, St. Louis, MO; November 11-13.
- Kennedy, J.M. (1994). Figure-ground, information and symbolism. Basic Problems in Visual Communication Conference, Copenhagen University, September 30 - October 2.
- Vervaeke, J. and Kennedy, J.M. (1994). Metaphors in language and thought: falsification and multiple meanings American Psychological Association meeting, August 12-15, Los Angeles.
- Kennedy, V.R. and Kennedy, J.M. (1994). Symbolism can be extended by style. American Psychological Association meeting, L.A., August 12-15.
- Nicholls, A. and Kennedy, J.M. (1994). Short middle obliques in drawings of cubes by children aged 6-10. International Association for Empirical Aesthetics meeting, Montreal, August 4-5.
- Berntsen, D. and Kennedy, J.M. (1994). Contradiction conveys attitudes -- in metaphor, irony, understatement and tautology. Conference on the Psychology of Literature, July 1-4, Budapest, Hungary.
- Kennedy, J.M. (1994). Pictures, metaphors, analogies and symbols. Conference on Cognitive Linguistics and Semiotics, Aarhus University Institute for Semiotics, June 1-5.
- Berntsen, D. and Kennedy, J.M. (1994). Contradiction conveys attitudes -- Ditlevsen and alienation. Conference on Cognitive Linguistics and Semiotics, Aarhus University Institute for Semiotics, June 1-5.
- Heller, M. A. and Kennedy, J.M. (1993). Production and interpretation of pictures of houses by blind people. Psychonomics Society meeting, Washington, D.C., November 5-7.

- Kennedy, J.M. (1993). Theories of touch and theories of pictures. Presidential address, Division 10, Psychology and the Arts, American Psychological Association meeting, Toronto, August 20-24.
- Kennedy, J.M. and Kennedy, V.R. (1993). Realism as a basis for reinterpretation in visual metaphor. Word and Image Conference, Ottawa, August 16-20.
- Kennedy, J.M., Liu, C.H. and Reith, E. (1993). Are illusory effects additive? Or just affirmative? 7th International Conference on Event Perception and Action, University of British Columbia, August 8-13.
- Kennedy, J.M. (1993). Illusions appearance and reality. 7th International Conference on Event Perception and Action, University of British Columbia, August 8-13.
- Kennedy, J.M. and Eriksson, Y. (1993). Profiles and orientation of tactile pictures. European Society for Applied Psychology, Helsinki, July 3-6.
- Kennedy, J.M. and Kulik, M. (1992). Accretion and deletion in illuminated, textured environments. International conference on flow fields and event perception. York University, June 11-12.
- Vervaeke, J., Green, C.D. and Kennedy, J.M. (1993). Women, fire and dangerous theories: A critique of Lakoff's theory of categorization. Paper presented at the meeting of the Canadian Psychological Association, Montreal, 27-29 May.
- Kennedy, J.M. (1993). Review of E.H. Spitz *Image and insight*, Columbia University Press, 1991. In *Journal of Aesthetic Education*.
- Kennedy, J.M. and Nicholls, A. (1992). Perspective robustness and optical infinity (with A. Nicholls). Canadian Psychological Association Meeting, Quebec City, June 13-17.
- Nicholls, A. and Kennedy, J.M. (1992). Foreshortening and the perception of parallel projections. Canadian Society for Brain and Behavioural Sciences meeting, Quebec City, June 11-12.
- Kennedy, J. M. (1991). Review of G. Lakoff and M. Turner (1989) *More than cool reason: a field guide to poetic metaphor*, Chicago: University of Chicago Press. In *Canadian Review of Comparative Literature*, 18, 581-583.
- Kennedy, J.M. , Green, C.D., Nicholls, A. and Liu, C.H. (1991). Illusions and knowing what is real. Conference on Event Perception and Action, Amsterdam, Aug. 25-30.
- Nicholls, A. and Kennedy, J.M. (1990). Development of drawing: Adult's and children's drawings of cubes. Canadian Psychological Association meeting, Ottawa, May 31-June 3.
- Kennedy, J.M., Pierantoni, R. and MacLaren, R.I. (1989). Flaps in horizontal and vertical wind forces Psychonomic Society conference, Atlanta, November 17-19.
- Heller, M..A. and Kennedy, J.M. (1989). Perspective taking, pictures and the blind Psychonomic Society conference, Atlanta, November 17-19th.
- Pierantoni, R., Kennedy, J. M. and Gabias P. (1989). Metaphor, rolling balls and static depiction 1st European Congress of Psychology, Amsterdam, July 2-7.
- Kennedy, J.M. (1988). Review of M.J. Parsons *How we understand art! A cognitive developmental account of aesthetic experience*. *Contemporary Psychology*, 33, 1063-4, 1988.
- Kennedy, J.M. Review of M. Kubovy *The Psychology of Perspective and Renaissance Art*. *Contemporary Psychology*, 33, 336-7.
- Kennedy, J.M. (1988). Outline and shape-from-shading. The little lines that can't. Psychonomic Society Conference, Chicago, November 10-12.
- Kennedy, J.M. (1988). Octaves in touch. Pre-conference meeting on touch perception. Psychonomic Society, Chicago, November 9.

- Kennedy, J.M. (1987). Review of R. Arnheim *New essays on the Psychology of Art*. *Contemporary Psychology*, 32, 952-4.
- Kennedy, J.M. (1987). Outline, positives and negatives: which least shows objects in chiaroscuro? *Psychonomic Society Conference*, Seattle, November 6-8, 1987.
- Kennedy, J.M. Pierantoni, R. and Gabias P. (1987). Metaphor, motion and static depiction. Pre-conference meeting on touch perception, *Psychonomic Society*, Seattle, November 5.
- Kennedy, J.M. Drawings of cubes: which are preferred? Is symmetry important? Is convergence important? (with A. Nicholls) *International Society for Ecological Psychology Conference*, Hartford Ct., October 17, 1987.
- Kennedy, J.M. (1987). A Gibsonian picture theory. Invited address. *Symposium on ecological theory of perception and representation*, Bonn, October 9-10.
- Kennedy, J.M. , Pierantoni, R. And MacLaren, R.I. (1987). Supporting structures in horizontal and vertical wind forces. *Fourth International Event Perception Conference*, Trieste, August 24-27.
- Kennedy, J.M. (1987). Designs mean things. Invited address to mark the 75th Anniversary of the Royal Ontario Museum, and the Exhibition "The Eye of the Beholder", April 12.
- Kennedy, J.M. (1987). Metaphor in cockpit instrumental design. Klein Associates, Yellow Springs, Ohio, January 14, 1987.
- Kennedy, J.M. and Portal, A. (1986). Dispelling illusions by changing the observer's vantage point *Psychonomic Society Conference*, New Orleans, November 13-15.
- Pierantoni, R. and Kennedy, J.M. (1986). Flaps, arcs and spokes: Motion and force *International Society for Ecological Psychology*, Philadelphia, October, 1986.
- Mills, R.S.L. and Kennedy, J.M. (1986). Radiological diagnosis and the development of perceptual expertise: What does contemporary research reveal? *International Society for Ecological Psychology Conference*, Chicago, May.
- Simpson, W. A. and Kennedy, J.M. (1986). Pure rotations impair recovery of depth from optic flow *International Society for Ecological Psychology Conference*, Chicago, May.
- Kennedy, J.M. and Portal, A. (1986). Illusions dispelled by viewing from glancing angles *International Society for Ecological Psychology Conference*, Chicago, May.
- Gabias, P. and Kennedy, J.M. (1986). Graphic texture indicates hardness to the blind. *Eastern Psychological Association Conference*, New York, April
- Kennedy, J.M. (1985). Epistemology of subjective contours, Adelphi University, November
- Kennedy, J.M., Sette, G. and Whitby, R. (1985). Direct and indirect pictorial advertisements: Preference and memory effects. *International Society for Ecological Psychology Conference*, Hartford, October.
- Mills, R.S.L. and Kennedy, J.M. (1985). Perception in the abyssal depths of the sea. *International Society for Ecological Psychology Conference*, Hartford, October.
- Kennedy, J.M. (1984). Haptic pictures: How blind people judge their effectiveness & sophistication, *American Psychological Association Conference*, Toronto, August.
- Kennedy, J.M. (1983). Drawings by the blind: A mentalist, meaning-based theory. *International Conference on Psychology and the Arts: British Psychological Society*, Cardiff, September.
- Kennedy, J.M. (1983). Speed lines as metaphoric depictions. *Second International Conference on Event Perception*, Nashville, June.
- Kennedy, J.M. and Domander, R. (1983). Motor empathy and the perception of facial expression. *Canadian Psychological Association conference*, Winnipeg, June.

- Kennedy, J.M. and Domander R. (1982). Pictorial foreground-background reversal reduces tactual recognition by the blind. Psychonomics Society conference, Minneapolis, November.
- Kennedy, J.M. and Domander, R. (1981). Blind people depicting wind, noise, and smell with devices including metaphors Psychonomic Society conference, November.
- Kennedy, J.M. (1980). The images of the blind. American Psychological Association conference, Montreal, September.
- Kennedy, J.M. (1980). The meaning-based theory of perception applied to visual puns. International Association of Empirical Aesthetics VIIth International Colloquium, Montreal, August.
- Kennedy, J.M. (1980). Visible order: A review of E. Gombrich's "The sense of order". Journal of Aesthetics and Art Criticism, Summer, 453-457.
- Kennedy, J.M. (1980). Limitations and implications of practical uses of pictorial communication with the blind. Ontario Psychological Association, Toronto, February.
- Kennedy, J.M. (1979). Perspective principles and the blind. Psychonomic Society conference, Phoenix, Arizona, November.
- Kennedy, J.M. and Ware C. (1978). The phenomenon of subjective contours (Cont.) Leonardo, 11, 348.
- Kennedy, J.M., Heywood, M.A. and Garboll, B. (1978). Pictorial representation of movement in blind and deaf subjects Psychonomic Science Conference, November.
- Kennedy, J.M. (1980). Pictures and the blind (Symposium paper) American Psychological Association conference, August 1978. Reprinted Journal of the University Film Association, 32, 11-21.
- Kennedy, J.M. and Ware, C. (1978). Attention, brightness contrast and brightness assimilation Canadian Psychological Association Conference, June.
- Kennedy, J.M. (1977). Picture perception: Entry in The National Encyclopedia of Neurology, Psychiatry, Psychoanalysis and Psychology, B. Wolman (General Ed.) and I. Rock (Exp. Psych. Ed.). N.Y., pp. 403-406.
- Kennedy, J.M. (1977). Review of Handbook of Perception, Vol. V: Seeing. E. C. Carterette and M. P. Friedman (Eds.). N.Y.: Academic Press, 1975, In Leonardo, 10, 335.
- Kennedy, J.M. (1977). Benson's comments on picture perception as analyzed by J. M. Kennedy (Letter) Leonardo, 10, 87.
- Kennedy, J.M. (1977). Response to Deregowski's reply (Letter), Leonardo, 10, 86-87.
- Kennedy, J.M., Ware, C. And Magnan-Smith, J. (1977). Illusory contours are perceived by children and are judged to be unreal. Canadian Psychological Association Conference, Vancouver.
- Kennedy, J.M. (1977). Subjective contours in three-dimensional objects. Psychonomic Science Conference, Washington.
- Roy, E., Kennedy, J.M., Magee, L.E. and Diwert, G.L. (1977). Receptor and effector functions of the hand: Is efference necessary? National Association for Sports and Physical Activity Conference, Ithaca, N.Y., 1977.
- Kennedy, J.M. and Campbell, J. (1976). Figure-ground coding of raised-line tactile displays. Canadian Psychological Association Conference, Toronto.
- Kennedy, J.M. and Magee, L.E. (1976). Contact, kinaesthesia and guidance in recognition of haptic pictures. Canadian Psychological Association Conference, Toronto.
- Kennedy, J.M. and Klein, D. (1976). Modalities and ways of processing haptically obtained information Canadian Psychological Association Conference, Toronto.



- Kennedy, J.M. (1976). Discussion: Symposium on haptics. Canadian Psychological Association Conference, Toronto.
- Kennedy, J.M. (1976). Studies on haptic pictures. Conference on picture perception, University of Minnesota.
- Kennedy, J.M., Kambek, M. , Rovet, J. and Galligan, R. (1975). Six-to-eight year olds thinking about language problems involving metaphysical issues: Nullity, privileged experience and the relative status of message and messenger. Project Zero Conference, Harvard.
- Kennedy, J.M. (1975). On the other hand: Reply to R. Yin. *Contemporary Psychology*, 20, 598-599 (Letter).
- Kennedy, J.M. (1975). Pattern processing: A further rationalization of sight (Letter). *Leonardo*, 8, 182.
- Kennedy, J.M. (1974). The stage beyond formal operations. Fifth Annual Conference on Structural Learning, University of Pennsylvania. Proceedings (ed., J. Scandura). Office of Naval Research, Springfield, Virginia (pp. 160-180).
- Kennedy, J.M. Chattaway, L.D. and Chattaway, E. (1974). Restoration and selection processes in listening to sentences with phonemes deleted. Canadian Acoustical Association, Edmonton.
- Kennedy, J.M. (1974). Recognition of haptic pictures by blind adolescents. Sixth Annual Conference on Visual Literacy, Toronto.
- Kennedy, J.M. (1974). Speaking my mind: On the relationship between thought and language. Canadian Psychological Association Conference, Windsor.
- Kennedy, J.M. (1974). Are pictures inherently more memorable than words? Institute on Psychology and Telecommunications, Canadian Psychological Association, Windsor.
- Kennedy, J.M. (1974). Review of H. Gardner's *The Arts and Human Development*. In *Journal of Aesthetics and Art Criticism*, Fall, 1974, 23, 149-154.
- Kennedy, J.M. (1973). The creatives are coming! Review of C. Gowan's "Development of the Creative Individual." *Contemporary Psychology*, 18, 285-286.
- Kennedy, J.M. (1973). Review of J. H. Heaton's "The Eye: Phenomenology and psychology of function and disorder". In *Journal of Aesthetics and Art Criticism*, Fall.
- Kennedy, J.M. and Kennedy, E. (1972). Translation of Rubin's *Figure and Ground*. Supported by Milton Fund (Harvard) and U.S. Navy Grant, Cornell, Private circulation.
- Kennedy, J.M. and Fox, N. and O'Grady, K. (1972). Can "haptic pictures" help the blind see? *Harvard Graduate School of Education Bulletin*, 16, 22-23.
- Kennedy, J.M. and Brust, R.(1972). Reversible figures and flexibility of picture perception. International conference on Cognition and the Arts, Perkins School, Mass.
- Kennedy, J.M. (1972). On geometry and perceiving pictures. *Leonardo*, 5, p. 285-286 (Letter).
- Kennedy, J.M. (1971). Review of M. H. Pirenne's "Art, Optics and Photography" *Leonardo*, 4, 397.
- Kennedy, J. M. (1971). Illustrations, *Psychology Today*, revised text. C.R.M. Publications (invited memorandum)
- Kennedy, J.M. and Mueller, E. (1970). Making babies play groups work. *Early Times*.
- Kennedy, J.M. (1970). Pictorial perception. Conference on Ecological Optics, Cornell.
- Kennedy, J.M. (1970). Outlines and Shadows. American Psychological Association Conference, Miami.
- Kennedy, J.M. (1970). Information in pictures. Conference on Structural Learning, University of Pennsylvania, Philadelphia.
- Kennedy, J.M. (1969). Lines in pictures: are they one-sided? Paper presented at the Eastern Psychological Association Conference.

- Kennedy, J.M. (1968). Prismatic adaptation and the remembered location of targets. Paper presented at the Eastern Psychological Association Conference.
- Gibson, J.J., Kennedy, J. M. and Toleno, T.L. (1967). A study of the stick-in-water illusion with children. *Project Literacy Reports*, 8, 116-124.
- Kennedy, J.M. (1966). Visual adaptation and perceptual information. M.Sc. Thesis, Queen's University, Belfast.
- Kennedy, J.M. (1966). Meditation: an inquiry. *Interest*. Belfast, 6, 27-31.
- Kennedy, J.M. (1965). The effect of perceptual anomalies on adaptations to displaced vision. B.Sc. Thesis, Queen's University, Belfast.
- Kennedy, J.M. (1964). Psychology and Theology, Paper presented to the Psychology Society, Queen's University, Belfast.

### Invited Lectures

- 2011 Gadjah Mada University, Indonesia, 17th & 18th May.
- 2010 York University Nov 26th. Pictures by Esref: Theory of outline, perspective and metaphor. Museum of Art, Murcia. October 10th, 2010. In connection with an exhibition of Esref Armagan pictures in Cartagena Museum, Oct 8th to Jan 8th, in Manifesta 8, the European Biennale of Contemporary Art.
- 2009 Perception & representation in vision & touch: figure-ground, perspective & metaphor. Art Gallery of Ontario, Jan 20; Ebbinghaus, UT, Nov 4, 2009.
- EW draws mental states: Friends of the Roskilde Museum for Contemporary Art, Jan 30.
- Salzburg University, April 29. Maribor University, May 14. Humbolt University (Picture act and embodiment), May 26-27. School for the Blind, Berlin, June 27. University of Toronto, Berlin, June 10.
- Drawings by the blind and picture theory: Esref from Turkey and Eriko from Japan. Wissenschaftskolleg zu Berlin, 2008 Nov 4<sup>th</sup>. Roskilde University, 2008 Nov 21<sup>st</sup>.
- Esref Armagan and Renaissance perspective. David Dunlap Observatory, University of Toronto, April 17<sup>th</sup> 2008; Monash University (Gippsland 22<sup>nd</sup> May; Clayton, 6<sup>th</sup> June)
- Perspective in Florence and Siena: Pictures and the blind and sighted. National Gallery of Canada, Ottawa, Feb 7<sup>th</sup>, 2008. Pictures by EW and EA exhibited at the National Gallery Rotunda, Feb 7<sup>th</sup>.
- Pictures by the blind: echoes of Florence and Siena. Jubilee United Talk series, October 10<sup>th</sup>, 2007; Senior Alumni Talk Series, University of Toronto, April 8<sup>th</sup> 2008
- 3-point perspective and tactile pictures, Roskilde University, November 2, 2006
- 1, 2 and 3 point perspective: Advances since 2000 in tactile pictures, Salzburg University, October 22, 2006.
- Kennedy, J. M. (2005) Neuroscience and tactile pictures. Bochum University, Germany. September, 5 2007(3 one-hour lectures).
- Tactile pictures: drawings by practiced individuals, Conference on Blind Children: Teaching, Understanding and Learning. Stockholm, November 10-12th 2004
- Perspective pictures, vision and touch: Renaissance geometry and convergence. September, Ebbinghaus (22nd), Cognition and Perception (23rd), Semiotics (24th), October: Explorations in Science (22nd), University of Toronto. With Igor Juricevic.
- Pictures: theory of outline, theory of perspective and theory of drawing in the blind and sighted. Bornholm (April 24th) and Roskilde (April 27, 28th), Denmark, 2004

Tactile pictures and the blind. Conference on education of the blind and visually impaired students, Athens, February 6-8th 2004

Tactile pictures and the blind York University, March 21st 2003

Tactile pictures and the blind University of Minnesota March, 13th 2003

Tactile pictures and the blind 5: Mohawk College Program on Orientation and Mobility, March 7th, 2003

Tactile pictures and the blind 4: Mohawk College Program on Orientation and Mobility, February 19th, 2002

Tactile pictures and the blind 3: Mohawk College Program on Orientation and Mobility, March 2, 2001

Representational universals, vision and touch. Invited address in the series "Three lectures on the cultural history of the senses" Concordia University Lonergan College, March 2 2000

Tactile pictures and the blind 2: Mohawk College Program on Orientation and Mobility, March 10, 2000

Tactile pictures and motion depiction, Cognition and perception, University of Toronto, Scarborough, Jan 27, 2000.

Representational universals: University of Buffalo, March 24, 1999.

Tactile pictures and the blind: Mohawk College Program on Orientation and Mobility, Jan 12, 1999.

Perception, information and pictures by the blind: Gothenburg University, September 25, 1998.

Blind children drawing: Monash University October 22, 1997, Macquarie University, October 24; Deakin University, October 31.

Metaphor and Cognition, Monash University, October 21, 1997.

Pictures and the blind. Lighthouse for the blind, New York, February 14, 1997, New York.

Blind children recognizing pictures. University of Uppsala, December 5, 1996.

Pictures, perception, cognition and the blind. (four lectures) University of Linköping, November 27-December 3, 1996.

Pictures and the blind. Royal Canadian Institute, Toronto, October 30, 1994.

Haptics and recognition on second presentation. University of Linköping, 19-21 May, 1995.

Edgar Rubin and the argument from illusion. Aarhus University, 28 October, 1994.

Are illusions additive? UNED, National University, Madrid, 30 October, 1994.

Why outline drawings make sense to the sightless and the sighted. Royal Canadian Institute, October 30, 1994.

Combining illusions. Aarhus University, Denmark, Centre for Semiotic Research, September 28, 1994; UNED, Madrid, September 30, 1994.

Pictures and the blind. Roskilde University, Denmark, September 26, 1994.

Figure-ground from Rubin, Johansen & Hochberg to the present. Faculty Research Forum (FFF), Copenhagen University, 15 Oct., 1993.

Diderot, Katz and pictures for the blind. Invited lecture in Symposium on Object Representation in Vision and Touch, in honour of the 20th Anniversary of the Open University, Madrid, Spain, 17-19 May, 1993.

Pictures understood by the blind. Lecture in honour of the 100th Anniversary of the Swedish Braille Library, Stockholm, Dec. 3, 1992.

Pictures to touch: A summary. Semiotic Circle, Toronto, Nov. 30, 1991.

Diderot's Letter on the Blind anticipates recent developments. Colloquium in honour of V.V. Ivanov, March 8, 1991, Centre for Comparative Literature, University of Toronto.

- Theory of touch and theory of pictures. Pembroke College, North Carolina, March 25 and 26, 1991.
- Perspective pictures and the blind. National Gallery, Ottawa (Sponsored by the Ontario Educators of the Visually Handicapped) May 5, 1990.
- Pictures to see and pictures to touch. Address to Divisions 1, 3 and 10 of the American Psychological Association meeting at New Orleans, August 13, 1989.
- Outlines and drawing development in the blind. Symposium on Pictures and the Blind. Whitney Museum of American Art, N.Y. (June 14); National Federation of the Blind, Baltimore (June 15), 1989.
- The blind and pictures. Goethe Institute and University of Michigan Departments of Psychology and History of Art, March 1988.
- The blind and pictures. Hart House Senior Members Dinner, October 28, 1987.
- Outline, perspective and metaphor. German Semiotic Society Conference, Essen, October 5-7, 1987.
- Theory of pictures. Michigan State University, Canadian Lecturers on Pictures Series, May 26, 1987.
- The blind: which of their perceptual abilities and aids permit significant mobility? Fourth International Conference on mobility and transport for elderly and disabled persons Plenary session with Association for Biomedical Engineering, Vancouver, July, 1986.
- Blind people and perception. Science Teachers Association of Ontario Conference, November, 1986.
- Tactual pictures and the blind. New York State Organization of the Blind Conference, Syracuse, November, 1986.
- Pictures and the blind. Address in honour of R. Arnheim, Sarah Lawrence, N.Y., October, 1985.
- Art history, perception and pictures by the blind, Art History Association of Great Britain, London, April, 1985.
- Arnheim, Gestalt theory and pictures. National Art Education Conference, Champaign-Urbana, October, 1984.
- Aesthetics, haptics and pictures. 2nd Annual Conference on Applied Psychology, Adelphi University, October, 1983.
- Perception, epistemology and depiction. Rochester Institute of Technology Conference on the Perception of Pictures, October 1983.
- Pictorial displays and the blind: Elements, patterns and Metaphors. First International Symposium on Maps and Graphics for the Visually Handicapped: Association of American Geographers, Washington, March, 1983.
- Syllepsis and catachresis in pictures Third International Summer Institute for Semiotic and Structural Studies), Toronto, June, 1982.
- Drawings by blind people and a mentalist theory of depiction. Toronto Semiotic Circle meeting, November, 1981.
- The psychology of depiction. American Medical Illustrators Conference, Toronto, August, 1981.
- Blind people understanding pictures. Conference on the Laws of Form, Centre for the History and Philosophy of Science, Florence, December, 1980.
- What is to pictures as Braille is to words? National Braille Association meeting, keynote address, Toronto, October, 1980.
- Orientation and pictorial representation by the blind. Conference on orientation and mobility. Canadian National Institute for the Blind, Toronto, May, 1981.

- Element, configuration and metaphor in depiction. Proceedings of the Concordia University Symposium on Perception, Cognition and Representation. Eds. J. Victoria and E. Sacca. Concordia, Montreal, 1979.
- Some research methods in picture perception. Proceedings of the Concordia University Symposium on Perception, Cognition and Representation. Eds. J. Victoria and E. Sacca. Concordia, Montreal, 1979.
- Subjective contours - theories and demonstrations, U.S. Army Conference on pictures and perception, Philadelphia Museum of Art, April, 1977.
- Rules, systems and experience in pictorial communication. The Epistemic Status of Human Emotions Symposium, American Association for the Advancement of Science Denver, 1977.
- Pictures by and for the blind. Advances in the psychophysical and visual aspects of image evaluation. Society of Photographic Scientists and Engineers Conference Rochester, 1977.
- Images of Science. Paradigms of the Present Symposium, Scarborough College, 1977.
- Outline drawings: Evidence on three theories. In Visual Perception Visual Art. P. Kelly and R. Menze (Eds.), National Endowment for the Arts Symposium, University of Western Carolina. Cullowhee, N.C.: 1976 (pp. 12-18, 25-29).
- Identification and different media: A structural analysis. Toronto Faculty Aesthetics Study Group, 1976.
- Comments on J. J. Gibson's analysis of affordances in architectural layouts. American Society for Aesthetics Meeting, Toronto, 1976.
- Pictorial metaphor: A theory of movement indicators in static pictures. Information through Pictures Symposium. Swarthmore College, 1976.
- Rubin's Legacy and a Gibsonian reinterpretation of figure and ground. (Symposium on brightness and space). International Congress of Psychology, 1972, Tokyo, Japan.
- The influence of paradigms on concepts in psychology. (Symposium on psychology and Society). International Congress of Psychology, 1972, Tokyo, Japan. (Proceedings, Edited T. Shirai, p. 18-22).
- Children in playgroups. Invited article, Early Years, Fall, 1972.
- Status: A concept relevant to American and N. Ireland political problems. Invited address: Tompkins County Psychologists Association, 1969.

#### D. List of Courses

##### a. Undergraduate courses taught:

Introductory Psychology	1st yr students	Major responsibility
Sensation and Perception	2nd/3rd yr	Major responsibility
Perception and Cognition	2nd/3rd yr	Major responsibility
Developmental Psychology	2nd yr	Major responsibility
Perceptual Handicaps	4th yr	Major responsibility
Cognition and Representation	3rd/4th yr	Major responsibility
Thesis course	4th year	Major responsibility

##### b. Graduate courses taught:

Vision. Perception, representation and communication. Perspective

c. Theses supervised: (Primary supervisor at Toronto: Secondary elsewhere)

- M.A. :
- J. Campbell Haptic figure and ground  
1976-1977
  - J. Kumpunen Perception and caricature  
1977-1980
  - R. Domander Expression recognition and empathy  
1979-1980
  - T. Richard Factors influencing tactile form perception  
1979-1980
  - W. Simpson The cross-ratio and the perception of  
1981-1982 motion and structure
  - A. Nicholls Judgements of an ideal representation  
1986-1987 of a cube by children and adults
  - L. Chalifoux Shadow and illumination in high contrast  
1986-1987 figures compared to outline figures
  - G. Mirabella 3D orientation and tactile form  
1995-1996
  - I. Jurecivic The effects of angular separation and binocular  
1997-1998 viewing on apparent visual angles
  - S. Hammad Angle illusions on a picture's surface  
2005-7
- [Concordia: T. Roncero Similes and metaphors: Processing differences  
2006-9]
- S. Bhasin Higher features in a schematic face appear happier  
2007-8
  - M. Wnuzcko Two-fulcrums for pointing result in pointing higher in visually-  
monitored conditions than blindfolded  
2007-8
- [UBC: Richard Ouimet Accretion and deletion  
2008-9]

Ph.D.: Toronto Ph.D.'s numbered 1 to 13:

1. C. Ware Subjective contours, contrast and assimilation  
1976-1980
2. L. E. Magee Processing pictures and words  
1975-1982
3. R. Domander Incomplete line drawings and segment distribution  
1980-1987
4. W. Simpson Depth discrimination from optic flow:  
1982-1987
  - P. Gabias Outline picture perception by the blind.  
1983-1987 New York University (with D. Aronson)
  - J. Conway The interaction of code type and information type

- 1984-1987 on the perception and interpretation of visual displays.  
Adelphi University (with D. Gorfein and R.R. Hoffman)
5. A Nicholls Perception of polar and parallel projections of cubes.  
1987-1991
  6. C. Green Reasoning and the connectionist modelling of deduction  
1989-1992
  7. C.H. Liu Symbolic relations affect reaction time, recall & analogy, not metaphor  
1990-1994  
Yvonne Eriksson Tactile pictures ( with Lena Johannesson )  
1992-98 Linkoping University/ Gothenburg University
  8. Hiroto Miyoshi Combined illusions: Ponzo and Muller-Lyer displays  
1993-1995
  9. Daniel Chiappe Are metaphors elliptical similes?  
1995-1997
  10. Juan Bai Shape-from-shadow  
1998-2005 [Vision Science Research Program Award, 2002-3]
  11. Igor Jurecivic Perspective forelengthening  
1998- 2006 [Vision Science Research Program Award, 2003]  
[Berlyne Award, 2007: American Psychological Association,  
Division 10, Psychology of Art, Aesthetics and Creativity]  
Mark Symmons Active and passive touch (with B. Richardson)  
2001- 2005 Monash University, Australia
  12. Sherief Hammad Illusions on a picture surface showing a cube are maximal at middle tilts  
2006-
  13. Marta Wnuczko Perspective and pointing 2009-

Postdoctoral fellows:

D. Klein, 1975-1976

Interference effects of cognitive tasks on haptic perception

B. Richardson, 1977-1979

Pattern and element perception in sequential tactile arrays.

M. Naraine 2005-7

The blind and work handicaps

Research associates:

R. Pierantoni (National Research Centre, Genoa, Italy)  
1986-1989. Perception of movement. Naive physics.

M.A. Heller (Winston-Salem) 1988-1996, 2004-6.

Itsuo Kumazawa (Tokyo Institute of Psychology), 1993-1994.

D. Chiappe (California State University, Long Beach) 1998-2003

d. Other teaching and lectures

Proseminar in psychology, Graduate students, St. George campus. Lectures on perception.

Coordination of perception and information processing section.

Graduate student course on perception and representation, Danish Research Academy (1992).

#### D. Administrative positions (Selected)

Degree learning expectations Committee 2007-8; Tenure committees UTSC (3), St George  
 Chair, Department of Life Sciences, July 2003-2006  
 Promotion to Full Professor, Research reviewer, Toronto, UTM. 2005  
 Search committees: Biology, Psychology, Management 2003  
 Chair (acting): Academic Committee UTSC 2002  
 Space committee UTSC 2002  
 Search committee for Chair of Physical Sciences Division: 2002  
 Graduate school representative: Conservation biology search committee 2002  
 Chair: Teaching evaluation committee: R. Bobocel 2002  
 Chair: Teaching-assistant award committee 2002  
 Chair: Executive Committee & Council, University of Toronto at Scarborough 2000-2002  
 New buildings committee: Arc Committee 2000  
 Executive committee, University of Toronto at Scarborough 1998-99  
 Program Supervisor, Cognitive Science 1993-99  
 Food Services Committee 1995-1999  
 Academic Appeals Committee, 1994-1997  
 Academic Board, 1993-1996  
 Associate Chair, Life Sciences Division, 1989-1992  
 Pub Management Board, 1989-1991  
 Chair, College Council, 1991  
 Program Supervisor, Cognitive Science 1988-1990  
 Chair, General Policy Committee, 1988-1989  
 Chair, College Council, 1987-1988  
 President, Faculty Club, Scarborough Campus, 1987-1988  
 Chair, Academic Affairs, 1986-1987  
 Speakers series, Perception Interest Group, 1986-1988  
 Associate Chair, Life Sciences Division, 1982-1983  
 Snider Committee 1980-1982  
 Visiting Speakers Committee 1972-1974; 1980-1982  
 Committee on Enrollment limitations 1981  
 Library Committee 1973-1976; 1980-1982  
 Director, Teaching-Learning Unit 1976-1977  
 General Policy Committee 1980-1982  
 Academic Affairs, 1983-1984  
 Chairman, Search Committee 1980  
 Member: various Search committees, promotions committees

#### b. Outside university (education organizations)

Jarrett Annual Concert committee: Member 2001, organizer/chair 2002-7.  
 Commission to composer Alexander Rapoport: Suite for 8 violoncellos  
 Funded, Ontario Arts Council, 2003, to Simon Fryer, Toronto Symphony Orchestra  
 Religious education: Teacher, 1st Unitarian Congregation 1978-1980.



Don Heights Unitarian Fellowship, Denominational Affairs: 1994-1998, Vice-President 1997-8.  
President 2000-02

Chairman: Toronto Religious Education committee, (Unitarian Congregations) 1981-1982

Committee member: St. Lawrence Unitarian - Universalist District Religious education  
committee 1980-1981

Unicamp of Ontario: Members committee 1980-1981, Director 1980-1981

#### E. Other Relevant Information

Consultantships: External reviewing

2011 University of Malaya (external examiner, Ph.d). McMaster U (tenure review)

2010 York University (external examiner). UT Program in Neuroscience Poster  
Day Judge May 12.

2008 Monash University (promotion to Reader, promotion to Senior Lecturer, external  
reviewer Phd, and Senior Honours thesis). UT Program in Neuroscience Poster  
Day Judge April 30; ESRC, UK

2007 Psychology Department, King's College UWO.

2006 S.Ontario Neuroscience Association/UT Program in Neuroscience Poster  
Day Judge May 12. Faculty of Social Science, University of Western  
Ontario (with K. Grant and K. Nossal). University of Wisconsin – Parkside  
(promotion to Full Professor). Monash University (research group assessment).  
Discovery Channel (item on perspective).

2005 Cambridge University Press; Promotion to Full Professor: UT  
Mississauga; Tel Aviv University; University of Georgia, Athens.  
Reviewer for doctoral and MA thesis, Monash University. Reviewer  
for election to Fellowship, Trinity College, University of Dublin. Small  
grants reviewer, Monash University. External examiner, Ph.D, Calgary.  
NSERC. Quebec Fond. Promotion to Full Professor, Calgary.

2004 Haifa University (promotion to associate professor); John Benjamins  
Press, Mouton Press. Promotion to Associate Professor, reviewer for undergraduate  
thesis, Monash University. British Arts Council (grant application). Art Education for  
the Blind telephone conference 18th October. Art Beyond Sight (video), for Museum  
of Modern Art, NY (interview). Monash University, Grants Scheme Assessor.

2003 Israel Science Foundation (grant application reviewer), Eurohaptics  
conference: Review panel, Tel Aviv University ( Ph.D. external reviewer),  
Prentice Hall Press

2002 Oxford Press, Seton Hall University (Promotion to Full Professor)  
APA Publications; Museum of Modern Art NY; External reviewer, promotion to full  
professor, Ithaca College; Oxford Press (twice). Erlbaum Press (twice) Plenum Press.  
External reviewer York University Ph.D. McGraw-Hill Ryerson, Psychology Text;  
External reviewer: M. Symmons, Monash University (active passive perception);  
External referee: Malone University (tenure/promotion); External reviewer: Monash  
University (promotion)

1999 External reviewer: H. Jenkin, York University (Mental rotation)  
University of Akron: Journal evaluation reviewer

1998 University of Pennsylvania : Promotion and tenure, Monash University: Promotion  
and tenure; York University : Full Professor Research Award

- 1997-8 CNIB, Scarborough: Low Vision Program
- 1996 External reviewer: C. Portfors, York University (Binocular vision). University of Toronto Press
- 1995 University of Toronto Press; Guelph University: Promotion to full Professor
- 1994 External Reviewer, York University, S. Hamstra (Binocular Vision). External Reviewer, University of Western Ontario, N. Turner (Proverbs).
- 1994 University of Connecticut: Promotion to full Professor; University of Georgia: Tenure review. Rockefeller Foundation: Neon Colour Proposal.
- 1989 University of Toronto Press; University of Western Ontario: Promotion to full Professor; Art Education for the Blind, New York. 1989-92.
- 1988 T.V. Ontario.
- 1987 Klein Associates, Yellow Springs, Ohio; Stockholm Public Transit  
Yale, M.I.T. Presses
- 1986 US Air Force (cockpit design); Review, Psychology Department, Adelphi University.
- 1985 Ministry of Transport, Ottawa, Public Art Films, N.Y.; Art Gallery of Ontario
- 1983 University of Minnesota: Promotion to Associate Professor, tenure.
- 1981-83 British Psychological Society International Conference Advisory Board, "Psychology of the Arts", Cardiff, 1983. Ontario Institute for Studies in Education, Tenure committees
- 1981-82 Harvard University Press; Academic Press
- 1981 University of Papua/New Guinea: Promotion to Associate Professor, tenure. University of Massachusetts. Promotion to tenure.
- 1978-80 Random House
- 1977 Simon Fraser University: Promotion to full professor.
- 1976 National Film Board of Canada
- 1974 Ford Foundation(The Television Arts Project); Minnesota Institute of Arts; Ontario Crippled Children's Centre, Bliss Symbols Project
- 1972 Dushkin Press. Introductory Psychology text.
- 1971 C.R.M. Press

#### Exhibitions, Workshops, Symposia

- 1993 Perception and perspective, March
- 1992 Prairie Gallery, Saskatchewan, April
- 1991 Visual rhetoric, April, Scarborough College; Metaphor in pictures, November; Scarborough College; Shape-from-shading, October, Scarborough College  
Workshop on the development of drawing in the sighted and the blind, August, Scarborough College
- 1983 Workshop on metaphor, March, Scarborough College
- 1982 Workshop on touch, November, Scarborough College
- 1981 Drawings by the blind, September, The Gallery, Scarborough College

Television programs: November 1981, March 1982 (Global television "That's Life") September 1981 City T.V. (news) February 1989, October 1988, City-TV. "New Music"; "The Nature of Things", February 1989, May 1989, February 1990. Arts and Entertainment, March 1992; "What

on earth?", C.B.C., March 1993, April, 1997: Australian Broadcasting Company, TV & Radio, October 1997: ABC, "Good Morning America" Sunday, Jan. 4, 1998; German Public Television (Falk Wien Science Program), July 1998; Global Television News, February 14, 1999. Bologna TV, Oct 2000. Le Point (CBC TV, November 2002). Discovery Channel (Feb, 2003). CBC (Sunday Report, June 5, 2005). Berlin (July, September, 2006). Discovery Channel (Oct Canada; Nov UK, USA, South Africa, Turkey ). CBC The Nature of Things (Jan 17<sup>th</sup> 2008). Turkish Language TV News (19<sup>th</sup> April)

Newsmagazines: Science News (1978), MacLean's (1980), Science '81 (1981) (reprinted, Duskin Press, Psychology, 84-85), New Science (1981). United Church Observer (Jan 2002). UT Bulletin (Feb 2003). APA Monitor (March 2003). New Scientist (cover story, Feb 2005). Gehirn und Geist (Sept 2006). Geo (April 2008)

Newspapers: New York Times (1979, 1993, 2002, 2009), Detroit Free Press and syndicated newspapers (1980), Svenska Dagbladet (1980), Toronto Star (1979, 1980, 1981), Montreal Globe (1980), Montreal Gazette (1980), Sunday Express: International News (London, 1981), Toronto Sun (1981) Globe and Mail (1983, 1993; Oct 20 2007): Kokomo Tribune (1995): Australian Newspapers (3)(1997): Danish Newspaper, 1998. Washington Post (2001, 2004). Baltimore Sun, 2002. Ottawa Citizen, 2005. VSD, France, 2005. Suddeutsche Zeitung, 2005. La Verdad (Oct 3, 2010). Razon (Oct 3, 2010).

Radio interviews/stories: CBC-FM (1975, 1980, 1981, 1985), CBC-AM (1976, 1980, 1993, 1994), CKFH (1980), CKSC (1980), CKSO (1980), WGST (1981), CHAY (1980), CKUV (1980). Australian radio programs November 1997; Swedish public radio, October 19, 1998. Austrian radio, May 2000, Sept 2000. BBC Radio 4 April 2001. Todd Mundt Show Public Radio, 30 minute interview (Feb 2003). Copenhagen University Radio, April 23rd 2004. Turkish TV and Radio (June, two programs). Feb 18th The Current, CBC Radio One, CBC website 18th- 24th Feb 2005. NZ Radio, Kim Hill interviews, 35 minutes, June 14 2008. "Mosaik" WD Radio 3 (Germany), Nov 29, 2010

Children's 4th Grade Reader: Starting points in reading (Ed. B. Moore) GINN, Toronto, 1981. Article by Marilyn Dunlop, pp. 155-156.

C.D. Scientific American "Perception", Byron Preiss Multimedia 1998  
YouTube: Exceptional People: The artist with no eyes. (1,500,000 hits, April 2011).

#### Talks/Colloquia:

2011 Senior College, UT (Jan 19). Mohawk College (March 15). UTSC Kangaroo Mathematics (March 27). UTSC B51 (March 28). Boston College (Oct 12,13). Seneca College (Nov 21,23)  
2010 McMaster University (Jan 21). Doris McCarthy Gallery (March 16). Jubilee Talk series (Nov 24). York University (Nov 26). The Hamilton Association for the Advancement of Literature, Science and Art (Dec 4).  
2009 Friends of the Museum of Contemporary Art, Roskilde, Denmark (Jan 30). Salzburg University (April 29). Maribor University (May 15). Humbolt University (May 26). School for the Blind, Berlin (May 27). University of Toronto, Berlin (June 10).

- 2008 National Gallery (Ottawa, Feb 7), Senior Alumni UT (April 8) David Dunlap  
Observatory UT (April 17). Monash University (May 21), Wissenschaftskolleg zu Berlin (Nov  
4), Roskilde University, Denmark (Nov 21)
- 2007 Ebbinghaus UT (Jan, Sept), 1<sup>st</sup> Unitarian Toronto, Art Education and the Blind (October  
15 “Crash course”); Jubilee United (Oct 10); Canadian Perspectives, UTSC (Oct 25)
- 2006 Salzburg, Roskilde
- 2005 Ebbinghaus, Bochum, Calgary, UT Markham
- 2004 Victoria College, Ebbinghaus, UTSC General Science Talks
- 2003 Mohawk College, University of Minnesota, York University, Monash University,  
Auckland University
- 2002 Mohawk College, University of Toronto (Psychology)
- 2001 Mohawk College, Sick Children’s Hospital, UTSC (Psychology)  
Salzburg, Bielefeld, Bologna, Louisville (American Printing house for the Blind).
- 1998 University of Toronto (Scarborough). Senior Alumni (Scarborough); Saturday Morning,  
Public Talks (Scarborough); Teaching Learning Services (Scarborough).
- 1997 Monash University (twice); MacQuarie; Deakin University.
- 1996 University of Toronto (Perception Research Group; Scarborough Perception and  
Cognition group).
- 1995 University of Toronto (Semiotics)
- 1994 Aarhus University (Semiotics Institute); Roskilde University; UNED, Madrid; N.Y.  
College of Optometry; Museum of Modern Art, N.Y.
- 1993 Kings College (Ontario), Copenhagen (Psychology Dept.), Lund (Cognitive Group); N.Y.  
College of Optometry.
- 1992 Aarhus University (Psychology; Semiotics: 4 open lectures), Roskilde, Uppsala,  
Linkoping
- 1991 Aarhus University; O.I.S.E.; Cognitive Group, Toronto, McMaster.
- 1990 Perception Group, Toronto.
- 1989 Trent University
- 1988 Brock, O.I.S.E. Cognitive Science Program Scarborough Symposia (2)
- 1987 York, Hart House, Toronto, Psychology Department Colloquia, Perception Circle  
presentations, Adelphi University
- 1986 Sorbonne, Geneva, Rouen, Grenoble
- 1985 Concordia, Lakehead Univ, Sarah Lawrence
- 1984 C.U.N.Y.
- 1983 Tufts; Cognitive Science Group, Toronto; Cambridge University (M.R.C.)
- 1980 Rockefeller, Rochester, Waterloo, Mensa, Department of Applied Chemistry of the  
University of Toronto
- 1979 Concordia, Uppsala, Nottingham, New University of Ulster, Rochester
- 1978 Waterloo, Yale, Stonybrook, Rutgers, Children's Hospital Toronto, Western Ontario,  
McGill, Scarborough College
- 1976 CBC-AM: University of Waterloo; University of Guelph
- 1975 Bell Northern Research (Ottawa); University of Montreal; University of Minnesota;  
CBC-FM
- 1974 Hampshire College; Harvard, Project Zero
- 1973 Belfast, Aberdeen, Edinburgh (Britain); Padua, Trieste, Bologna (Italy); Aarhus  
(Denmark); Harvard University (Psychology and Social Relations); Erindale College;  
Ontario

Institute for Studies in Education  
 1972 Aarhus University (Denmark); Boston Colloquium for the Philosophy of Education;  
 University of Toronto; University of Guelph; Carleton University; Cornell University;  
 International Conference on Communication, Media and Education, Toronto  
 1971 Boston University (Seminar); Bennington College, Wellesley College  
 1970 Duke University; University of Pennsylvania  
 1969 University of Wisconsin

H. Some Ph.D. [M.A.] student committees, University of Toronto, in which I participated:

Student	Thesis	Supervisor	Date
N. Simic	Vision development	J. Rovet	2008 cont.
M. Niewiadomski	Mirror effect in memory	S. Joordens	2007 cont.
P. Nippak	Dog cognition and aging Examination committee, Departmental oral, March 8th 2007		
S. Kingsnorth	Infant preattentive perception of shape from shading and simple two-dimensional features	M. Schmuckler	July 2005
[N. Simic	Vision development	J. Rovet	Sept 2005]
[S. Bega	Origins of sweep visual evoked potential reductions in children exposed to vigabatrin (Examiner)	C. Westall	June 20, 2005]
A. Heinrich	Investigating the influence of babble on short-term performance (Examiner)	B. Schneider	June 6, 2005
S. Kingsnorth-Chan	Infant perception: active vs passive	M. Schmuckler	1999 -2005
[S. Borkowski	The effects of early life transient thyroid hormone deficiency on the subsequent colour vision capabilities of children	J. Rovet	2004-5]
T. M. Spalek	Inhibition of return without the inhibition	S. Joordens	August 8, 2002
J. Vervaeke	Naturalistic imperative in cognitive science	J. T. Stevenson	Jan. 10/97
T. Keenan	Irony	D. Olson	April 25/95
R.I. MacLaren	Stories and theory of mind	D. Olson	Nov./93
P.D. Peterson	Epistemic subject	J. Eisenberg	May/92
D. DeCunha	Proverbs		April/91
V. Kennedy	Thackeray's illustrations		Oct./88
I. Davidson	Visual impairments & children's creativity	M. Wahlstram	July
27/81	J. Fletcher	Spatial representation	A. Keeton
Feb. 18/81			
S.A. Amenta	Achievement in competing theories of psychology	E. Olsen	June 17/80
B.K. Houldin	A non-linguistic test of abstract thinking for deaf and hearing children	P. Gamlin	June 23/80
G.M. Dell	Phonological and lexical encoding in speech production	P. Reich	May 20/80
M.I. Bird	Reading comprehension strategies	C. Bereiter	Apr. 11/80
R. Kurtz	Assimilative exploration	C. Bereiter	Mar. 15/77
S.C. Wilson	Comprehension identifying meaning similarities	P. Gamlin	Dec.10/76

D.G. Bachor	Information processing & low achievement	C. Bereiter	Oct.14/76
E.B. Bialystok	Spatial concepts in language	D.R. Olson	Sept.17/76
C.A. Corlis	Curiosity in open & closed schools	S.B. Kent	May15/75
S.M.D. Denberg	Picture & print in reading instruction	D.R. Olson	May 19/75