

Michael S. Gordon

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Department of Psychology
William Paterson University
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Wayne, NJ 07470

EDUCATION

2003 – 2004 CIHR Strategic Inter-Disciplinary Research Training on Aging	Certification
2002 – 2005 University of Toronto at Mississauga	Post-doctoral Fellowship (B. A. Schneider, mentor)
1997 – 2002 University of California, Riverside	Ph.D. Psychology (L. D. Rosenblum, mentor)
1995 – 1997 University of California, Davis	A.B. Psychology

FIELD OF STUDY

Sensation & Perception/Cognitive Psychology

ACADEMIC POSITIONS

2010-Present	Assistant Professor	William Paterson University
2005 - 2010	Assistant Professor	University of South Alabama
2008	Visiting Researcher	Université de Limoges (France)
2004	Lecturer: Hearing & Hearing Disorders Lectured, web design, experimental laboratory design	University of Toronto (Canada)

PROFESSIONAL EXPERIENCE

2003 – 2005	CIHR trainee: Interdisciplinary training (clinical, cognitive, sensory) in aging & communication	Concordia U., U. of Calgary, McGill U., U of Montreal, McMaster U., Sheridan Coll. U. of Toronto
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2002 - 2005	Postdoctoral Fellow: performed independent research in psychoacoustics, speech & bimodal perception	University of Toronto, Mississauga
2001	Lecturer in Psychology: Sensation & Perception; lectured designed class web site, experimental labs.	University of California, Riverside
1997 – 2002	Research assistant: Performed research in psychoacoustics and speech.	University of California, Riverside
2000 – 2001	Computer Consultant Developed/maintained departmental web sites, computers & server; tutored use of statistical software.	University of California, Riverside
1997 – 2002	Teaching Assistant: Guest lecturer in Perception, Cognition, Research Methods, Statistics. Taught and designed experimental labs, discussion sections.	University of California, Riverside
1996 – 1997	Research Intern: Performed research within an educational facility on attention & learning.	Families First Davis, CA

TEACHING EXPERIENCE

General Psychology (Trad./Boat/Honors)	Research Methods (Lab Sections)
Sensation & Perception (Trad./Graduate)	Statistics (Lab Sections)
Psychology of Learning (Trad.)	Special Topics in Learning (Graduate)
Hearing & Hearing Disorders (Trad.)	Adult Development & Aging (Online)
Experimental Psychology (Trad.)	Cognitive Psychology (Online/Lab Sections)

HONORS & AWARDS

Arts & Sciences Teaching Excellence Award Winner	2010
Arts & Sciences' Teaching Excellence Award Finalist	2009
Arts & Sciences Summer Professional Development Award	2007
Chi Omega honored faculty for teaching	2006, 2009

Kirschstein National Research Service Award (Post-doctoral fellowship awarded by NIH)	2003 – 2005
Post-doctoral fellowship (awarded by the University of Toronto at Mississauga)	2002 – 2003
University of California Graduate Dean’s Dissertation Research Grant	2001 - 2002
University of California Block Grant award	2000– 2002

PROFESSIONAL SOCIETIES

American Psychological Society; International Multisensory Research Forum, Centre for Biological Communication Systems; Cancer Support and Research Program

PROFESSIONAL ACTIVITIES

Conference Co-Organizer *The 2nd Annual Interdisciplinary Conference on Perception, Action, & Consciousness*, Mobile AL September 25-26, 2009.

Ad-hoc reviewer *Proceedings of the National Academy of Sciences*; Ad-hoc reviewer *Journal of the Acoustical Society of America*; Ad-hoc reviewer *Psychonomic Bulletin & Review*; Ad-hoc reviewer *Attention, Perception & Psychophysics*; Ad-hoc reviewer *International Journal of Audiology*; Ad-hoc reviewer *Quarterly Journal of Experimental Psychology*; Ad-hoc reviewer *Ageing Research*

SERVICE ACTIVITIES

University of South Alabama Academic Computing Committee (2007-10); University of South Alabama College of Arts & Sciences Technology Committee (2006-7, 2008-9); University of South Alabama College of Arts & Sciences Summer Professional Development Committee (2006-7); *Psi Chi* faculty advisor (2007-9) University of South Alabama; Psychology Department Academic Standards Committee (2005-8, 2009-10) University of South Alabama; University of South Alabama Psychology Department Graduate Committee member (2005-9); University of South Alabama Psychology Department Awards committee (2005-6); University of South Alabama Psychology Department *United Way* Representative (2007-9), University of South Alabama Space & Equipment in Psychology Committee (*Chair*; 2006-10)

RESEARCH INTERESTS

Audiovisual speech; Audiovisual space and motion; Multisensory integration; Sensory vs. perceptual changes with age; Models of cognitive aging; Human factors & the acoustics of helmet design; Driving and self-motion influences on perceptual detection; Natural invariants and ecological perception.

PEER-REVIEWED PUBLICATIONS

Gordon, M. S. & Hibberts, M. (in press). Audiovisual Speech from Emotionally Expressive and Lateralized Faces. In press at *The Quarterly Journal of Experimental Psychology*.

- Brown, C. H. & Gordon, M. S. (2011). Motorcycle helmet noise and active noise reduction. *Open Acoustics Journal*, 4, 14-24.
- Schwitzgebel, E. & Gordon, M. S. (in press). Human echolocation. Forthcoming in *Perplexities of Consciousness*, Boston, MA: MIT Press.
- Gordon, M. S., Brown, C. H. & Kolbusz, M. (2010). Hearing within rigid constraints: Speech detection while wearing a football helmet. *Open Acoustics Journal*, 3, 1-10.
- Vernat, J. P. & Gordon, M. S. (2011). Indirect interception actions by blind and sighted perceivers: The role of modality and tau. *Scandinavian Journal of Psychology*, 52, 83-92.
- Vernat, J. P. & Gordon, M. S. (2010). Indirect interception actions by blind and visually-impaired perceivers: Echolocation for interceptive actions. *Scandinavian Journal of Psychology*, 51, 75-83.
- de la Rosa, S., Gordon, M. S. & Schneider, B. A. (2009). Knowledge alters visual contrast sensitivity. *Attention, Perception, & Psychophysics*, 71, 451-462.
- Gordon, M. S. & Allen, S. (2009). Audiovisual speech in older and younger adults: Integrating a distorted visual signal with speech in noise. *Experimental Aging Research*, 35, 202-219.
- Gordon, M. S., Daneman, M. & Schneider, B. A. (2009). Comprehension of speeded discourse by younger and older listeners. *Experimental Aging Research*, 35, 277-296.
- Vernat, J. P. & Gordon, M. S. (2008). L'écholocation dans l'espace acoustique d'une tâche d'interception. In N. Vigouroux & J-L. Nespoulous (Eds.) *Proceedings of the 1rst International Conference on Accessibility and Assistive Technology for People with Disabilities* (pp. 124-129). Toulouse: Cépadues-Éditions.
- Vernat, J. P. & Gordon, M. S. (2008). L'information acoustique utilisée dans une tâche d'interception par des aveugles. In N. Vigouroux & J-L. Nespoulous (Eds.) *Proceedings of the 1rst International Conference on Accessibility and Assistive Technology for People with Disabilities* (pp. 117-123). Toulouse: Cépadues-Éditions.
- Gordon, M. S. & Schneider, B. (2007). Local control of gain for absolute discrimination of acoustic intensity. *Perception & Psychophysics*, 69, 232-240.
- Gordon M. S. & Rosenblum, L. D. (2005). Effects of intra-stimulus modality change on audiovisual time-to-arrival judgments, *Perception & Psychophysics*, 67, 580-594.
- Gordon, M. S. & Rosenblum, L. D. (2004). Perception of acoustic occlusion using body-scaled judgments. *Ecological Psychology*, 16, 87-113.
- Gordon, M. S. (2003). Audiovisual time-to-arrival judgments: Testing the primacy of multimodal integration. *Dissertation Abstracts International: Section B: The Sciences & Engineering*, 63(8-B), 3951.

Gordon, M. S. & Rosenblum, L. D. (2001). Audiovisual Speech Web-Lab: An internet teaching and research laboratory. *Behavioral Research Methods, Instruments, & Computers*, 33 (2), 267-269.

Rosenblum, L. D. & Gordon, M. S. (2001). The generality of specificity: Some lessons from audiovisual speech. *Behavioral & Brain Sciences*, 24 (2), 239-240.

Schwitzgebel, E. & Gordon, M. S. (2001). How well do we know our own conscious experience? The case of human echolocation. *Philosophical Topics*, 28, 235-246.

Rosenblum, L. D., Gordon, M. S., & Jarquin, L. (2000). Echolocation by moving and stationary listeners. *Ecological Psychology*, 12 (3), 181-206.

Rosenblum, L. D., Gordon, M. S. & Wuestefeld, A. P. (2000). Effects of performance feedback and feedback withdrawal on auditory looming perception. *Ecological Psychology*, 12 (4), 273-291.

TEXTBOOKS

Brown, C. H., Foster, J. D., & Gordon, M. S. (2010). *Introduction to Psychology*. Dubuque, IA: Great River Technologies/Kendall-Hunt Publishing. (Authors listed alphabetically)

TECHNICAL REPORTS

Gordon, M. S. (2011). *Evaluation of the Ambulance Siren Audibility* (Tech. report 02-201101.). Wayne, NJ: Court of Alberta, Canada.

MANUSCRIPTS UNDER REVIEW AND IN PREPARATION

Gordon, M. S., Russo, F. A., & MacDonald, E. (Under review). Spectral Information for Detection of Acoustic Time-to-Arrival (TTA). Under review at *Attention, Perception, & Psychophysics*.

Bauman, S., Shelley-Tremblay, J., & Gordon, M. S. (in preparation). Affective audiovisual speech perception in autistic teens. To be submitted to *Cognition & Emotion*.

Foster, J. D., Gordon, M. S., & Brown, C. H. (in preparation). Batter up! A measure of sensitivity and bias in Major League Baseball. To be submitted to *Applied Cognitive Psychology*.

Oba, R., Braun, A., & Gordon, M. S. (in preparation). Voice inflection and perception of Japanese politeness cues cross-linguistically. To be submitted to *The Acoustical Society of America*.

GRANT ACTIVITY

Brown, C. H. & Gordon, M. S. (2010). *Motorcycle Safety: Acoustically Enhanced Accident Avoidance Initiative*. National Highway Traffic Safety Administration. Not supported.

Gordon, M. S. & Shelley-Tremblay, J. (2010). *Behavioral and neurophysiological investigations of how emotional expression affects communication*. National Science Foundation. Not supported.

Gordon, M. S., Foster, J. D. & Brown, C. H. (2007). *To swing or not to swing: Psychological factors associated with decision-making in Major League Baseball*. University of South Alabama Research Council. Supported for \$5000.

Gordon, M. S. (2006). *Football Helmet Affects on Communication and Localization Hearing*. Equipment grant submitted to Adams USA Sporting Equipment. \$500.

INVITED TALKS & COLLOQUIA

Gordon, M. S. (2010). *Audiovisual Speech from Emotionally Expressive and Lateralized Faces*. Invited talk at the Cognition, Brain & Behavior colloquium series, Brooklyn College, Brooklyn, NY, October 28.

Gordon, M. S. (2010). *An Ecological Approach to Perception*. Invited talk at the Department of Psychology, William Paterson University, Wayne, NJ, March 24.

Gordon, M. S. (2009). *Audiovisual speech and communication*. Invited talk at the Department of Psychology, Coastal Carolina University, Conway, SC, April 9.

Gordon, M. S. (2009). *Hearing in Helmets: Communication and spectral filtering in football and motorcycle helmets*. Invited talk at the Department of Psychology, University of Southern Mississippi, Hattiesburg, MS, October 23.

Gordon, M. S. (2005). *An Ecological Approach to Motion Perception & Communication over the Lifespan*. Invited talk presented at the University of California, Santa Cruz, February 14.

Rosenblum, L. D. & Gordon, M. S. (2001). *Hearing the Silent World*. Invited colloquium presented at Orange Coast College, May 18.

PEER-REVIEWED CONFERENCE PRESENTATIONS

Goff, J., Foster, J. D., Gordon, M. S., & Brown, C. H. (2009). *Regulatory focus and the "Goal Looms Larger" effect in Major League Baseball*. Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, Tampa, FL, February 7.

Gordon, M. S. (2009). *On the Division of the Senses*. Paper presented at the 2nd Annual Interdisciplinary Conference on Perception, Action, & Consciousness, Mobile, AL, September 25.

Williams, B., Kolbusz, M., & Gordon, M. S. (2008). *Audiovisual speech detection with affective displays*. Poster presented at the University Conference for Undergraduate Research (UCUR), Mobile, AL, October 25.

Gordon, M. S., Foster, J. D., Brown, C. H., & Kolbusz, M. (2008). *To swing or not to swing: Psychological factors associated with decision making in Major League Baseball*. Poster

presented at the 15th Annual meeting of the USA Research Council, Mobile, AL, March 20-21.

Brown, C. H., Gordon, M. S., Becker, M., & Alipour, F. (2008). *The case for biomechanical lateralization in the squirrel monkey larynx*. Paper presented at the XXII Congress of the International Primatological Society. Edinburgh, Scotland, August 6.

Kolbusz, M. & Gordon, M. S. (2008). *A smile is just a smile: Audiovisual speech detection from an emoting face*. Poster presented at the Auditory Perception, Cognition, and Action Meeting (APCAM), Chicago, IL, November 13.

Gordon, M. S. (2007). *Hearing within Rigid Constraints: Speech Detection while Wearing a Football Helmet*. Paper presented at the 6th annual Auditory Perception, Cognition, and Action Meeting, Long Beach, CA, November 15.

Allen, S. & Gordon, M. S. (2006). *Encouraging Classroom Attendance through Cognitive Dissonance*. Poster presented at the Southeastern Psychological Association, Atlanta, GA, March 18.

Gordon, M. S., Daneman, M. & Schneider, B. A. (2005). *Comprehension of Speeded Discourse by Younger and Older Listeners*. Poster presented at the 46th annual Meeting of the Psychonomic Society, Toronto, ON, November 11.

Gordon, M. S., Russo, F. A., MacDonald, E. & Schneider, B. A. (2004). *Spectral Information for Detection of Acoustic Time-to-Arrival*. Paper presented at the 3rd annual Auditory Perception, Cognition, and Action Meeting, Minneapolis, MN, November 18.

Gordon, M. S. & Schneider, B. A. (2004). *Peripheral mechanisms for gain control in the auditory system*. Poster presented at the 45th annual Meeting of the Psychonomic Society, Minneapolis, MN, November 19.

Gordon, M. S. & Schneider, B. A. (2004). *Investigations into the locus of nonlinear gain control in the auditory system*. Poster presented at the International Hearing Aid Research Conference, Lake Tahoe, CA, August 26.

Gordon, M. S. (2004). *Local control of gain for absolute discrimination of acoustic intensity*. Paper presented at the 2nd annual Research Symposia of the CIHR Strategic Training Grant Communication and Social Interaction in Healthy Aging, Quebec City, QC, February 27.

Gordon, M. S., Russo, F. A., MacDonald, E. & Schneider, B. A. (2003). *Contribution of spectral information to judgments of time-to-arrival*. Poster presented at the 2nd annual Auditory Perception, Cognition, and Action Meeting, Vancouver, BC, November 6.

Gordon, M. S. (2003). *Multimodal enhancement of audiovisual time-to-arrival judgments*. Paper presented at the 4th Annual Meeting of the International Multisensory Research Forum, Hamilton, ONT, June 14–17.

- Gordon, M. S. (2003). *Temporal processing for audiovisual integration in older adults*. Paper presented at the 1st annual Research Symposia of the CIHR Strategic Training Grant Communication and Social Interaction in Healthy Aging, Banff, BC, February 28.
- Gordon, M. S., Rosenblum, L. D. (2002). *Audiovisual time-to-arrival judgments: Testing the primacy of multimodal integration*. Poster presented at the 1st annual meeting of the Auditory Perception, Cognition, and Action Meeting, Kansas City, MO, November, 21.
- Gordon, M. S. & Rosenblum, L. D. (2001). *Perception of acoustic occlusion using body-scaled judgments*. Poster presented at the 11th annual meeting of the International Conference on Perception and Action, Storrs, CT, June, 27-28.
- Gordon, M. S. & Rosenblum, L. D. (2001). *Optic and acoustic flow influences on auditory time-to-arrival judgments*. Poster presented at the 11th annual meeting of the International Conference on Perception and Action, Storrs, CT, June, 27-28.
- Rosenblum, L. D. & Gordon, M. S. (2001). *The generality of specificity: Some lessons from audiovisual speech*. Paper presented at the 11th annual meeting of the International Conference on Perception and Action, Storrs, CT, June, 29.
- Gordon, M. S. & Rosenblum, L. D. (2000). *Perception of acoustic occlusion using body-scaled judgments*. Poster presented at the 139th meeting of the Acoustical Society of America, Atlanta, GA, June, 1.
- Gordon, M. S. & Rosenblum, L. D. (2000). *Audiovisual Speech Web-Lab: A Prototype Teaching and Research Laboratory*. Paper presented at the 10th meeting of the Society for Computers in Psychology, New Orleans, LA, November, 17.
- Gordon, M. S., Rosenblum, L. D. & Jarquin, L. (1998). *Echolocation by moving and stationary listeners*. Poster presented at the 135th meeting of the Acoustical Society of America, Seattle, WA, June, 1.

REFERENCES

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