

Tyler S. Lorig

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EDUCATION

- 1988 Post-doctoral training, Yale University (Olfaction/psychophysiology)
- 1983 Ph.D., University of Georgia (Biopsychology)
- 1980 M.S., University of Georgia (Biopsychology)
- 1978 B.S., Georgia Southwestern College, *Magna Cum Laude* (Psychology)

PROFESSIONAL EXPERIENCE and APPOINTMENTS

- 2015-2016 AAAS Science and Technology Policy Congressional Fellow,
Office of U.S. Senator Dianne Feinstein, Washington, D.C.
- 2005-2006 Visiting Professor,
Dartmouth College, Hanover, New Hampshire
- 2002-2005 Visiting Scientist, Monell Chemical Senses Institute
Philadelphia, Pennsylvania
- 2002-present Ruth Parmly Professor,
Washington and Lee University, Lexington, Virginia
- 2001-2015 Chair, Neuroscience Program
Washington and Lee University, Lexington, Virginia
- 2001-2003 Senior Research Scientist (visiting), Institute of Mind and Biology,
University of Chicago, Chicago, Illinois
- 1998 Visiting Scientist, Monell Chemical Senses Institute
Philadelphia, Pennsylvania
- 1997-2002 Professor, Department of Psychology and Neuroscience Program,
Washington and Lee University, Lexington, Virginia.
- 1993 Visiting Research Scientist, Department of Psychology: Experimental
Duke University, Durham, North Carolina
- 1993 Visiting Scholar, University of North Carolina, School of Dentistry
Chapel Hill, North Carolina
- 1991-1997 Associate Professor, Department of Psychology and Neuroscience Program,
Washington and Lee University, Lexington, Virginia.
- 1988-1991 Assistant Professor, Department of Psychology
Washington and Lee University, Lexington, Virginia.
- 1986-1988 Associate Research Scientist, Department of Psychology,
Yale University, New Haven, Connecticut.
- 1983-1986 Assistant Professor, Department of Psychology,
Augustana College, Rock Island, Illinois

EXTRAMURAL FUNDING

2008-2012	HHMI Grant for Undergraduate Science Education (Committee Member, \$1.3m)
2002-2003	National Science Foundation (\$44,000) Supplement to "Cacioppo- Social Neuroscience"
2001-2004	Keck Foundation (Committee member, \$500,000) "Undergraduate program in non-linear dynamics"
1997-1999	National Institutes of Health ES 08838 (CoPI \$88,340) "Effects of indoor air odors on brain and behavior"
1994-1995	Olfactory Research Fund, (PI \$23,538) "Electrophysiological studies of odor categorization"
1991-1993	National Institutes of Health DC01323 (PI \$52,100) "Olfactory event-related potentials"
1989-2015	Various corporations providing basic support for research (\$266,000)

AWARDS, HONORS and PROFESSIONAL SERVICE

2018-present	Chemosensory editor, <i>Elements of perception</i> , Cambridge University Press
2017-2020	Association of Psychological Science Fellowship Selection, Chair
2015-2016	AAAS sponsored Science and Technology Policy Congressional Fellow
2014-2015	James S. McDonnell, Cognitive Science Advisory Panel Member
2014	Inaugural "Horizons Lecture", International Flavors and Fragrances, Inc.
2011-2012	Guest Co-Editor, <i>Chemosensory Perception</i>
2010-present	Fellow, Association for Psychological Science
2009-present	Editorial Board, <i>Chemosensory Perception</i>
2009-2010	Program Chair, Association for Psychological Science
2009	Guest Editor, <i>International Journal of Psychophysiology</i>
2006-2010	Program Committee, Association for Psychological Science
2001-2007	World Congress Committee, International Organization of Psychophysiology
2000	Guest Editor, <i>International Journal of Psychophysiology</i>
1996-2011	Editorial Board, <i>International Journal of Psychophysiology</i>
1996-present	Fellow, International Organization of Psychophysiology
1996-2004	Editorial Board, <i>Aroma-Chology Review</i>
1996-1998	Publication Board, Society for Psychophysiological Research
1996-1998	World Congress Committee, International Organization of Psychophysiology
1995-1998	Technical Manager, Society for Psychophysiological Research
1991-2014	Scientific Advisory Board, Sense of Smell Institute (formerly Olfactory Research Fund)
1988	Chair, Psychology Section, Virginia Academy of Science
1983-1985	Intramural Faculty Research Grants, Augustana College
1983	Zimmer Award for outstanding research, University of Georgia
1978	Excellence in Psychology Award, Georgia Southwestern College
1978	Georgia Psychological Association Award for student presentation

BOOK and CHAPTERS (* indicates student co-author)

- Lorig, T.S. (2017). The respiratory system. In J. Cacioppo et al. (eds.) *Principles of Psychophysiology*, 4th.
New York: Cambridge University Press.
- Lorig, T.S. & Dragoin, W.B. (2013). Psychology as A STEM Discipline: Issues and Prospects for
Undergraduate Education. In Dunn, D. (ed.) *Handbook of Education in Psychology*. Oxford, UK:
Oxford University Press.
- Lorig, T.S. (2011). The effects of expectation and context on odor perception. A whitepaper prepared for the
Sense of Smell Institute, NY.

- Lorig, T.S. (2010). The perception of odours. In Roberts, David (Ed.) *Signals and Perception: The fundamentals of human sensation, 2nd edition*. New York: Palgrave Macmillan.
- Lorig, T. (2009). Respiration. In Sander, D. & Scherer, K. (ed.) *Oxford companion to emotion and the affective sciences*. Oxford, UK: Oxford University Press, pp. 343-344.
- Lorig, T.S. (2007). The respiratory system. In J. Cacioppo et al. (eds.) *Principles of Psychophysiology, 3rd*. New York: Cambridge University Press pp.231-244.
- Cacioppo, J.T., *Rickett, E., & Lorig, T.S. (2004). Social Psychophysiology. In W.E. Craighead & C. Nemeroff (Eds.), *Concise Corsini Encyclopedia of Psychology and Behavioral Science*. New York: Wiley.
- Cacioppo, J.T., Lorig, T.S., Nusbaum, H.C. & Berntson, G.G. (2003) Social Neuroscience: Bridging Social and Biological Systems C. Sansone, C. Morf, A. & Panter (Eds), *Handbook of methods in social psychology*. Thousand Oaks, CA: Sage Publications
- Lorig, T.S. (2002). The perception of smell. In Roberts, David (Ed.) *Signals and Perception: The fundamentals of human sensation*. New York: Palgrave Macmillan.
- Lorig, T.S. (2001) (Ed.). *Compendium of Olfactory Research: 1994-2000*. New York: Kendall-Hunt.
- Lorig, T.S. (2001). Categories of odors: EEG evidence. In Lorig, T.S. (Ed.) *Compendium of Olfactory Research: 1994-2000*. New York: Kendall-Hunt.
- Harver, A.J. & Lorig, T.S. (2000). The respiratory system. In Cacioppo, J., Tassinary, L., Berntson, G. (Eds.) *Principles of Psychophysiology*, New York: Cambridge University Press.
- Lorig, T.S. (1992). Cognitive and "non-cognitive" effects of odor exposure: Electrophysiological and behavioral evidence. In S. Van Toller and G. Dodd (Eds.), *The psychology and biology of perfume*. Amsterdam: Elsevier.
- Lorig, T.S. (1992). Cardiovascular and somatic disorders. In A. Puente & R. McCaffery (Eds.) *Handbook of Neuropsychological Assessment: A biopsychosocial perspective*. New York: Plenum.
- Lorig, T.S. & Schwartz, G.E. (1990). The pulmonary system. J. Cacioppo & L. Tassinary (Eds.) *Principles of psychophysiology: Physical, social, and inferential elements*. New York: Cambridge University Press.

PUBLISHED ARTICLES (* indicates student co-author)

- Lorig, T.S. (2019). Where psychology majors work. APS Observer, April, Issue 4, Volume 31.
- Small, D. & Lorig, T.S. (2012). Introduction to this special issue. *Chemosensory Perception, 5*, 1.
- Lorig, T.S. (2012). Beyond self-report: Brain imaging at the threshold of odor perception. *Chemosensory Perception, 5*, 46-54.
- Lorig, T.S. (2009). Introduction to this special issue. *International Journal of Psychophysiology, 73*, 1-2.
- Lorig, T.S. (2009). What was the question? fMRI and inference in psychophysiology. *International Journal of Psychophysiology, 17*, 17-21.
- Elmes, D.G. & Lorig, T.S. (2008). Adequacy of control conditions in olfactory experiments. *Chemosensory Perception, 1*, 247-252.
- Lorig, T.S., *Rigdon, M., & *Poor, A. (2006). Temporal pattern of odor administration alters hemispheric processing in humans. *Neuroreport, 17*, 231-234.
- Ito, T.A., *Chiao, K.W., Devine, P.G., Lorig, T.S. & Cacioppo, J.T. (2006). The influence of facial feedback on race bias. *Psychological Science, 17*, 256-261.
- Lorig, T.S., *Malin, E.L., & *Horwitz, J.E. (2005). Odor mixture alters neural resources during symbolic problem solving. *Biological Psychology, 69*, 205-216.
- Uffelman, E.S., Cox, E.H., Goehring, J.B., Lorig, T.S. & Davis, C.M. (2003). A NMR-smell Module for the first Semester General Chemistry Laboratory. *Journal of Chemical Education, 80*, 23-26.
- Cacioppo, J.T. Berntson, G.G., Lorig, T.S., *Norris, C.J., *Rickett, E., & Nusbaum, H. (2003). Just because you are imaging the brain doesn't mean you can stop using your head: A primer and first set of principles. *Journal of Personality and Social Psychology, 85*, 650-661.
- Lorig, T. & Radil, T. (2000). Interstimulus interval duration influences olfactory event-related potentials. *Homeostasis, 40*, 30-31.

- Schiffman, S., Walker, J., Dalton, P., Lorig, T., Raymer, J.H., Shusterman, D., & Williams, M. (2000). Potential health effects of odors from animal operations, wastewater treatment, and recycling of byproducts. *Journal of Agromedicine*, *7*, 7-81.
- Lorig, T. S. (2000). An introduction to this special issue. *International Journal of Psychophysiology*, *36*, 89-90.
- Lorig, T. S. (2000). The application of electroencephalographic techniques to olfaction research: A review and tutorial. *International Journal of Psychophysiology*, *36*, 91-103.
- Lorig, T.S., Elmes, D.G., Zald, D.H. & Pardo, J.V. (1999). A computer-controlled olfactometer for fMRI and electrophysiological studies of olfaction. *Behavior Research Methods, Instruments & Computers*, *31*, 370-375.
- Lorig, T.S. (1999). On the similarity of odor and language processing. *Neuroscience and Biobehavioral Reviews*, *23*, 391-398.
- Lorig, T.S., Elmes, D. G. & *Yoerg, V.L. (1998). Chemosensory alteration of information processing. *Annals of the New York Academy of Science*, *855*, 591-597.
- Lorig, T.S., *Matia, D.C., *Peszka, J.J., & *Bryant, D.N. (1996). The effects of active and passive stimulation on chemosensory event-related potentials. *International Journal of Psychophysiology*, *23*, 199-205.
- Lorig, T.S. (1996). Courting companies for research support: A guide for would-be suitors. *CUR Quarterly*, *16*, 211-214.
- Lorig, T.S. (1995). Spatio-temporal display of event-related potential data in three dimensions. *Brain Topography*, *8*, 3-6.
- Lorig, T.S., *Turner, J.M., *Matia, D., & Warrenburg, S. (1995). The contingent negative variation in an odor labeling paradigm. *Psychophysiology*, *32*, 393-398.
- Elmes, D.E. & Lorig, T.S. (1995). Purchasing and consuming science. *Aromacology Review*, *4*, 2-7.
- Lorig, T.S. & Urbach, T.P. (1995). Event-related potential analysis using *Mathematica*. *Behavior Research Methods, Instruments, and Computers*, *27*, 358-356.
- Lorig, T.S. (1994). EEG and ERP studies of low-level odor exposure in normal subjects. *Toxicology and Industrial Health*, *10*, 579-586.
- Lorig, T.S., Singer, J.L., *Bonanno, G., Davis, P. & Schwartz, G.E. (1994). Repressor personality styles and EEG patterns associated with affective memory and thought suppression. *Imagination, Cognition and Personality*, *14*, 203-210.
- Lorig, T.S. (1994). Odor and EEG: Old paradigms and new approaches. *International symposium on olfaction and taste*.
- Evans, W.J., Kopal, G., Lorig, T. S., & Prah, J. (1993). Suggestions for collection and reporting of chemosensory (olfactory) event-related potentials. *Chemical Senses*, *18*, 751-756.
- Lorig, T.S., *Mayer, T., *Moore, F., & Warrenburg, S. (1993). Visual event-related potentials during odor labeling. *Chemical Senses*, *18*, 379-387.
- McCaffrey, R. J., Lorig, T.S., *Pendrey, D.L., McCutcheon, N.B., & Garrett, J.C. (1993). Odor induced EEG changes in PTSD Vietnam veterans. *Journal of Trauma Studies*, *6*, 213-224.
- Levick, S.E., Lorig, T.S., Wexler, B.E., Gur, R.E., Gur, R.C., & Schwartz, G.E. (1993). Assymetrical visual deprivation: A technique to differentially influence lateral hemispheric function. *Perceptual and Psychomotor Skills*, *76*, 1363-1382.
- Lorig, T.S., *Sapp, A.C., *Campbell, J., & Cain, W.S. (1993). Event-related potentials to odor stimuli. *Bulletin of the Psychonomic Society*, *31*, 131-134.
- Lorig, T.S., *Huffman, E., *DeMartino, A., & *DeMarco, J. (1991). The effects of low concentration odors on EEG activity and behavior. *Journal of Psychophysiology*, *5*, 69-77.
- Lorig, T.S. (1991). A student's guide to psychophysiology (Review of Andreassi's *Psychophysiology*), *Contemporary Psychology*, *7*, 619.
- Lorig, T.S. & *Roberts M. (1990). Odor and cognitive alteration of the contingent negative variation. *Chemical Senses*, *15*, 537-545.
- Lorig, T.S., Herman, K.B., Schwartz, G.E., & Cain, W.S. (1990). EEG activity during administration of low concentration odors. *Bulletin of the Psychonomic Society*, *28*, 405-408.

- Lorig, T.S. (1989). Human EEG and odor response. *Progress in Neurobiology*, **33**, 387-398.
- Lorig, T.S., & Schwartz, G.E. (1989). Factor analysis of the EEG indicates inconsistencies in traditional EEG frequency bands. *Journal of Psychophysiology*, **3**, 369-375.
- Lorig, T.S. & Schwartz, G.E. (1988). EEG during relaxation and food imagery. *Imagination, Cognition and Personality*, **8**, 201-208.
- Lorig, T.S. & Schwartz, G.E. (1988). Brain and Odor I: Alteration of human EEG by odor administration. *Psychobiology*, **16**, 281-284.
- Lorig, T.S., Schwartz, G.E., Herman, K.B. & Lane, R. (1988). Brain and Odor II: EEG activity during nose and mouth breathing. *Psychobiology*, **16**, 285-287.
- Lorig, T.S. (1986). EEG and task performance: A comparison of three EEG analytic techniques. *Physiological Psychology*, **14**, 130-132.
- Lorig, T.S. (1986). Microcomputer-based scalp topography mapping of event-related potentials. *Behavior Research Methods, Instruments and Computers*, **18**, 293-298.
- Lorig, T.S. & Isaac, W. (1986). EEG activity during fixed and variable interval responding. *Physiological Psychology*, **14**, 63-66.
- Lorig, T.S., *Gehring, W.J. & *Hyman, D.L. (1986). Period analysis of the EEG during performance of the Trails tests. *International Journal of Clinical Neuropsychology*, **8**, 97-99.
- Lorig, T.S., *Brown, D., & *Gehring, W.J. (1986). Period analysis of the EEG during timing. *International Journal of Clinical Neuropsychology*, **8**, 9-11.
- Burns, R.A., Lorig, T.S., & McCrary, M.D. (1986). Reduction of reward to smaller and nonreward levels without contrast effects. *Journal of General Psychology*, **113**, 97-102.
- Lorig, T.S. (1985). Event-related potential data acquisition using the Apple II+/e. *Behavior Research Methods, Instruments, & Computers*, **17**, 479-483.
- McCaffrey, R.J., Lorig, T.S., & Isaac, W. (1985). Heterogeneity of responses to selected items from the visual and intellectual function subtests of the Luria-Christensen: A cautionary note on interpretation. *International Journal of Clinical Neuropsychology*, **7**, 23-25.
- Lorig, T.S. (1984). Period analysis of the EEG by 6502-based microcomputer. *Behavior Research Methods, Instruments, & Computers*, **19**, 331-332.
- Lorig, T.S. & Isaac, W. (1984). Quantification of cortical arousal: Correlation with locomotor activity. *Physiological Psychology*, **12**, 253-256.
- Burns, R.A., Lorig, T.S., Carr, E.J., & Worthy, L.G. (1984). Alternation and reduction of liquid sucrose in discrete goal units. *Journal of General Psychology*, **111**, 69-78.
- Burns, R.A., McCrary, M.D., & Lorig, T.S. (1984). Reduction in amount, concentration and number of goal units with liquid sucrose reward. *Journal of General Psychology*, **111**, 25-30.
- Lorig, T.S. & Isaac, W. (1983). The effects of light reinforcement and noise on young and old squirrel monkeys. *Experimental Aging Research*, **9**, 97-100.
- Lorig, T.S., McCaffrey, R.J., & Isaac, W. (1982). A solid state device for eliminating electrical noise and biopotential in EMG recordings. *Journal of Behavioral Assessment*, **4**, 205-208.
- Lorig, T.S., Golden, A.J., & Isaac, W. (1980). A programmable circuit for varying light intensity. *Behavior Research Methods and Instrumentation*, **12**, 639.
- Burns, R.A., DuPree, E.S. & Lorig, T.S. (1978). Successive reductions of liquid and solid sucrose reward. *Bulletin of the Psychonomic Society*, **12**, 351-354.

PATENT

- Cacioppo, J. T., & Lorig, T. S. (2004, US20070249914 A1). System and method for identification of false statements. U.S. Patent Office: Washington, D.C. (All financial interests assigned to the University of Chicago.)

CONVENTION PAPERS AND SYMPOSIA (* indicates student co-author)

- Lorig, T.S., *Warner, E.A., *Cusack, S., Kay, L.M. & Mainland, J.D. (2014) Perceptual and neural effects of timing for binary mixtures. A poster presented at the annual meeting of the Association for Chemoreception Sciences, Bonita Springs, FL.
- Bartoshuk, L., Bohannon, J., Cahill, D., Cogan, E., Heiphetz, L., Hobbs, K., Hudson, S., Lincoln, S., Lorig, T., Marton, R., McGee, H., Parker, S., Sims, C., Tully, L. & Zellner, D. (2011). MIRACLE FRUIT Adds a Sweet Taste to Acidic Foods But Also Intensifies Flavor. A poster presented at the annual meeting of the Association for Psychological Science, Washington, D.C.
- Lorig, T.S. & Lewis, R. (2010). Conducting research at small colleges. A workshop presented at the annual meeting of the Association for Psychological Science, Boston, MA.
- Lorig, T.S. & Lewis, R. (2009). Conducting research at small colleges. A workshop presented at the annual meeting of the Association for Psychological Science, San Francisco, CA.
- *Bulsing, P., Smeets, M.A., Lorig, T.S. (2009). Beliefs About Health Effects from an Odor Alter Sniffing of that Odor. A poster presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, FL.
- Lorig, T.S. & Blumenthal, T. (2008). Psychophysiology made easy. A workshop presented at the annual meeting of the Association of Psychological Science, Chicago, IL.
- *Barkat, S., Sicard, G., & Lorig, T.S. (2005). Perception of freshness of food by humans: Sensitization effects shown in a chemosensory evoked related potential. A poster to be presented at the annual meeting of the Association of Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S., *Rigdon, M., & *Poor, A. (2004). Temporal patterning of odor and hemispheric activity. A poster presented at the annual meeting of the Association of Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. (2003) Odors and the final common path. A symposium presented at the annual meeting of the Association of Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. Gould, M. & Dalton, P. (2003) Improvements to a computer-based olfactometer. A poster presented at the annual meeting of the Association of Chemoreception Sciences, Sarasota, Florida.
- Tabert M., Albers M., Zarahn E., Zimora D., Lorig T., Small S., Doty R., Devanand D. (2003) Odor induced fMRI brain activation in healthy elderly and AD patients. A poster presented at the annual meeting of the Association of Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. (2002). Olfactory interference with language. A symposium presented at the annual meeting of the American Psychological Society, New Orleans, Louisiana, USA.
- Lorig, T.S. & Cacioppo, J.T. (2002). Detecting deception using classical conditioning. A symposium presented at the annual meeting of the American Psychological Society, New Orleans, Louisiana, USA.
- Lorig, T.S. (2000). Psychophysiology in the universe of neuroscience. A symposium paper presented to the annual meeting of the Society for Psychophysiological Research. San Diego, California.
- Radil, T. and Lorig, T.S. (2000). CSERP changes as a function of interstimulus interval. A paper presented to the International Symposium on Olfaction and Taste, Brighton, England.
- Lorig, T.S. & *Malin, E.L. (2000). Mathematical information processing following chemosensory challenge. Cooperative Chemosensory Workshop, Swinburne University, Melbourne, Australia.
- Lorig, T. S., Elmes, D.G., *Malin, L.E. & *Harris, R.. (2000). Chemosensory-induced disruption of performance. World Congress of Psychophysiology, Sydney, Australia.
- Lorig, T. S., Elmes, D.G., *Malin, L.E. & *Szatskowsky, J. C. (1999). The Effects of Common Odors on ERPs During Task Performance. Society for Psychophysiological Research, Granada, Spain.
- Lorig, T.S. (1998). Chairman, Olfactory Psychophysiology Symposium, World Congress of Psychophysiology, Taromina, Sicily.
- Lorig, T.S. (1998). Odor and language. A paper presented to the World Congress of Psychophysiology, Taromina, Sicily.
- Elmes, D.G, Lorig, T.S., *Markham, J.A., & *Theus, K. (1998). The effects of phasic odor administration on continuous performance, A paper presented to the annual meeting of the Association of Chemoreception Sciences, Sarasota, Florida.

- Lorig, T.S. (1998). The paradox of human olfaction. NIH/EPA/USDA Conference on the Health Effects of Odors, Duke University.
- Elmes, D.G., Lorig, T.S., *Cartwright, E.E., & *Quinn, C.B. (1997). Odor modulation of cognition. A paper presented to the annual meeting of the Psychonomic Society, Philadelphia.
- Lorig, T.S., Elmes, D.G., *Yoerg, V.L. (1997). Odor and tone effects on a continuous performance task. A paper presented at the annual meeting of the Society for Psychophysiological Research, Cape Cod.
- Lorig, T.S., Elmes, D.G., *Yoerg, V.L. (1997). Chemosensory alteration of information processing. A paper presented at the International Symposium on Olfaction and Taste, San Diego.
- Lorig, T.S. & *Randol, M. (1996). Evaluation of event-related synchronous brain activity following chemosensory stimulation. A paper presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, Florida
- Lorig, T.S. & *Verspooor, M. (1995). CSERPs during performance of verbal and spatial tasks. Olfactory bioresponses in man, Erlangen Germany.
- Lorig, T. S., *Matia, D., *Peszka, J. & *Bryant, D. (1995). CSERPs during active and passive odor presentation. A paper presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. (1994). EEG and ERP studies of low-level odor exposure in normal subjects. Presentation to CDC sponsored symposium on multiple chemical sensitivities, Baltimore.
- Lorig, T.S., *Thompson, T. E., *James, A.E., & Preti, G. (1994). CSERPs to hedonically valent stimuli. A paper presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S., *Thompson, T. E., & *James, A. E. (1993). CSERPs to butanol: Correlation with olfactory performance. A paper presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. & Schwartz, G.E. (1993). CSERPs to butanol: Signal feature extraction. A paper presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. (1992). Chemosensory alteration of EEG and ERPs. A paper presented at the annual meeting of the Society for Psychophysiological Research, San Diego, CA.
- Lorig, T.S. (1992). Respiration-based olfactory event-related potentials. A paper presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. (1991). Chemosensory modulation of visual and auditory event-related potentials. IEEE Transactions in Biomedical Engineering, Orlando, Florida.
- Lorig, T.S. (1991). Spatial complexity analysis of the EEG: A preliminary report. A paper presented at the annual meeting of the Society for Psychophysiological Research, Chicago, IL.
- Lorig, T.S., *Sapp, A.C., *Campbell, J. & Cain, W.S. (1991). Olfactory ERPs to 1-butanol: Intensity effects and correlation with olfactory threshold. A paper presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. & *Wilson, W.W. (1990). Event-related potentials to self-referent positive and negative words. A paper presented at the annual meeting of the Society for Psychophysiological Research, Boston, MA.
- Lorig, T.S. & *Roberts, M. (1990). Odors and the CNV. A paper presented at the annual meeting of the Association for Chemoreception Sciences, Sarasota, Florida.
- Lorig, T.S. & *Huffman, E. (1989). Neurocognitive pattern analysis of on-going EEG. A paper presented at the annual meeting of the Society for Psychophysiological Research, New Orleans.
- Lorig, T.S., *Huffman, E., *DeMartino, A.J., & *DeMarco, J. (1989). Electrophysiological and behavioral responses to low level galaxolide administration. A paper presented at the annual meeting of the Association of Chemoreception Scientists, Sarasota, Florida.
- Lorig, T.S., *Herman, K.B. & Schwartz, G.E. (1988). Odor event-related potentials: Techniques and correlations with self-report. A paper presented at the annual meeting of the Society for Psychophysiological Research, San Francisco.
- Lorig, T.S., Singer, J.L., *Bonnano, G.A. & Schwartz, G.E. (1988). Personality style and EEG during retrieval of affective memories. A paper presented at the annual meeting of the Society for Psychophysiological Research, San Francisco.

- Lorig, T.S. & Schwartz, G.E. (1988). EEG activity during the administration of undetected odors. A paper presented at the annual meeting of the Association of Chemoreception Scientists, Sarasota, Florida.
- Lorig, T.S. & Schwartz, G.E. (1987). Alteration of human EEG by odor administration. A paper presented at the annual meeting of the Society for Psychophysiological Research, Amsterdam, Netherlands.
- Lorig, T.S. & Schwartz, G.E. (1987). Factor analysis of EEG frequencies and self-report. A paper presented at the annual meeting of the Society for Psychophysiological Research, Amsterdam, Netherlands.
- Lorig, T.S. & Schwartz, G.E. (1987). EEG activity during fine fragrance administration. A paper presented at the annual meeting of the Society for Psychophysiological Research, Amsterdam, Netherlands.
- Lorig, T.S. & Schwartz, G.E. (1987). EEG during relaxation and food imagery. A paper presented at the annual meeting of the Society for Psychophysiological Research, Amsterdam, Netherlands.
- Lorig, T.S. (1986). Microcomputer-based scalp topography mapping of event-related potentials. A paper presented at the annual meeting of the Southeastern Psychological Association, Orlando, Florida.
- Lorig, T.S. & Isaac, W. (1984). EEG activity during fixed interval responding. A paper presented at the annual meeting of the Southeastern Psychological Association, New Orleans, Louisiana.
- Lorig, T.S. & Isaac, W. (1983). Cortical activation during locomotor activity. A paper presented to the annual meeting of the Southeastern Psychological Association, Atlanta, Georgia.
- Lorig, T.S. (1982). Single board microcomputers in the physiological psychology laboratory. A symposium presented at the annual meeting of the Southeastern Psychological Association, New Orleans, Louisiana.
- Lorig, T.S. & Isaac, W. (1982). Light reinforcement in young and old squirrel monkeys. A paper presented to the annual meeting of the Southeastern Psychological Association, New Orleans, Louisiana.
- McCaffrey, R.J., Lorig, T.S., & Isaac, W. (1982). Normative data on selected items from neuropsychological assessment batteries: The Luria-Christensen and Halstead-Reitan. A paper presented to the annual meeting of the Southeastern Psychological Association, New Orleans, Louisiana.
- Burns, R.A., McCrary, M.D. & Lorig, T.S. (1981). Reduction in the amount, concentration and number of goal units with liquid sucrose reward in rats. A paper presented to the annual meeting of the Southern Society for Philosophy and Psychology, Louisville, Kentucky.
- Lorig, T.S. & Burns, R.A. (1978). A successive negative contrast effect with a reduction in sucrose reward. A paper presented to the annual meeting of the Georgia Psychological Association, Savannah, Georgia.

PROFESSIONAL AFFILIATIONS

International Organization of Psychophysiology (Fellow)
 Association for Psychological Science (Fellow)
 American Association for the Advancement of Science
 Association of Chemoreception Sciences
 Society for Neuroscience
 Faculty in Undergraduate Neuroscience
 Council on Undergraduate Research

CONSULTING EDITOR/REVIEWER FOR:

<i>Perception and Psychophysics</i>	<i>Psychological Science</i>
<i>Journal of Psychophysiology</i>	<i>NeuroReport</i>
<i>Chemical Senses</i>	<i>Psychophysiology</i>
<i>Biological Psychology</i>	<i>Health Psychology</i>
<i>Archives of Clinical Neuropsychology</i>	<i>Physiology and Behavior</i>
<i>Social Development</i>	<i>Behavior Research Instruments, Methods and Computers</i>
<i>Psychological Bulletin</i>	<i>Psychobiology</i>
<i>Journal of Experimental Psychology: Applied</i>	<i>Psychosomatic Medicine</i>
<i>Journal of Neuroscience</i>	<i>Consciousness and Cognition</i>
<i>Neuroimage</i>	<i>IEEE Transaction on Biomedical Engineering</i>

Brain
Brain Research
Toxicology and Industrial Health
Journal of Neurophysiology
Acta Oto-Laryngologica
Journal of Cognitive Neuroscience

Cognitive Brain Research
Journal of Nutrition Research
Electroencephalography and Clinical Neurophysiology
Chemosensory Perception
Journal of Neuroscience Methods
Journal of Personality and Social Psychology

CONSULTING ACTIVITIES

2014-2015	Grant reviewer – James S. McDonnell Foundation
2014	Department Review – Hope College, Holland, MI
2012	External Reviewer – National Science Foundation
2000-2008	Study section <i>ad hoc</i> member, National Institutes of Health (IFCN7)
2000-2007	Study section <i>ad hoc</i> member, National Institutes of Health (SBIR)
2000-2006	Columbia University/Columbia-Presbyterian Hospital-fMRI and odor
2005	Departmental Review – Baruch College, New York
2004-2006	Study section <i>ad hoc</i> member, National Institutes of Health (IFCN4)
2000	Study section <i>ad hoc</i> member, National Institutes of Health (IFCN5)
1999	Study section <i>ad hoc</i> member, National Institutes of Health (IFCN4)
1998-2001	Special Reviewer- National Institute of Deafness and Communication Disorders
1998	Departmental Consultant – Agnes Scott College, Atlanta
1996	Advisory Board -Undergraduate Curriculum, National Science Foundation
1996	External Reviewer - National Institute for Alcohol and Drugs
1995	External Reviewer - Center for Indoor Air Research
1994- 2001	External Reviewer - Veterans Administration grants program
1992	Consultant (EEG analysis) - National Aeronautics and Space Administration
1989-2017	Various corporations engaged in olfaction research (except 2015-2016)