

# Philip E. Rubin

## Personal Information:

BIRTH DATE: May 22, 1949  
HOME ADDRESS: 233 Algonquin Road, Fairfield, CT 06825  
MARITAL STATUS: Married (to Joette Katz) with two children  
CITIZENSHIP: U.S.A.  
Email: prubin49@gmail.com

## Academic Addresses:

### **Haskins Laboratories**

300 George Street, Suite 900, New Haven, Connecticut 06511  
Phone: 203-526-4015

### **Yale University School of Medicine**

Department of Surgery, Section of Otolaryngology  
333 Cedar St., New Haven, Connecticut 06510  
Email: philip.rubin@yale.edu

## Education:

Ph.D. (Experimental Psychology), University of Connecticut, 1975  
M.A. (Experimental Psychology), University of Connecticut, 1973  
B.A. (Psychology and Linguistics), Brandeis University, 1971

## Professional Experience (selected):

1/2023-present Chair of the Board, Haskins Laboratories  
1/2022-present President, Federation of Associations in Behavioral & Brain Sciences  
8/2016-present Chief Executive Officer Emeritus, Haskins Laboratories  
1994-present Professor Adjunct, Yale University School of Medicine,  
Department of Surgery, Otolaryngology  
1991-present Research Affiliate, Department of Psychology, Yale University  
  
2/2015-6/2017 Senior Advisor to the President, Haskins Laboratories  
6/2012-2015 Principal Assistant Director for Science,  
Office of Science and Technology Policy (OSTP),  
Executive Office of the President of the United States  
2/2012-2015 Assistant Director for Social, Behavioral, and Economic Sciences,  
Office of Science and Technology Policy (OSTP),  
Executive Office of the President of the United States  
2/2012-2015 Senior Advisor, Social, Behavioral, and Economic Sciences  
Directorate, National Science Foundation  
2004-2015 Chief Executive Officer, Haskins Laboratories

1998-2015	Senior Scientist, Haskins Laboratories
1992-2015	Vice President, Haskins Laboratories
2003-2004	Chief Operating Officer, Haskins Laboratories
2000-2003	Director, Division of Behavioral and Cognitive Sciences, National Science Foundation
1992-2000	Chief Operating Officer, Haskins Laboratories
1990-1992	Chief Technical Officer, Haskins Laboratories
1977-1997	Research Staff, Haskins Laboratories
1975-1976	Research Affiliate, Haskins Laboratories
1975-1976	Assistant Professor of Psychology, University of Connecticut

### Professional Affiliations (present and past):

American Association for the Advancement of Science (AAAS), Fellow, Section Z  
 American Psychological Association (APA), Fellow  
 Association for Psychological Science (APS), Fellow  
 Acoustical Society of America (ASA), Fellow  
 Auditory-Visual Speech Association (AVISA), Founding Director  
 Cognitive Science Society (CSS)  
 Connecticut Academy of Science and Engineering (CASE), elected member  
 Institute of Electrical and Electronics Engineers (IEEE), Senior Member  
 IEEE Communications Society  
 IEEE Signal Processing Society  
 International Speech Communication Association (ISCA)  
 International Society of Ecological Psychology (ISEP)  
 Linguistic Society of America (LSA), Fellow  
 National Academy of Public Administration, Fellow  
 Nu Rho Psi, The National Honor Society in Neuroscience, lifetime membership  
 Philosophical Society of Washington, elected member  
 Psychonomic Society, Fellow  
 Sigma Xi

### Awards and Honors:

2020 iGIANT (impact of Gender/Sex on Innovation and Novel Technologies)  
 Pioneer Award, Jan. 6, 2020  
 Elected as the President-Elect of the Federation of Associations in Behavioral and  
 Brain Sciences (FABBS), Nov. 4, 2019  
 Elected as Member of the Connecticut Academy of Science and Engineering, Feb. 2017.  
 Granted lifetime membership in Nu Rho Psi, The National Honor Society in  
 Neuroscience, September 29, 2016, “In recognition of outstanding achievement in the  
 areas of neuroscience scholarship and research ...”  
 Elected as Fellow of the Psychonomic Society, 2015.  
 Added to the FABBS (Federation of Associations in Behavioral and Brain Sciences) “In  
 Honor Of ...” gallery of scientists, “recognizing eminent, senior scientists who have

made important and lasting contributions to the sciences of mind, brain, and behavior”, 2015

Consortium of Social Science Associations Distinguished Service Award, March 9, 2015.

The OSTP Award for Excellence. Office of Science and Technology Policy, July 2014.

Elected as Fellow of the Linguistic Society of America, Jan. 2014.

Elected as a Fellow of the National Academy of Public Administration, Nov. 2013.

Elected as Senior Member of the IEEE, Aug. 2012.

Received the American Psychological Association’s “Meritorious Research Service Commendation” “In recognition of your outstanding contributions to psychological science through your service as a leader in research management and policy development at the national level” on November 13, 2010.

Elected to membership in Sigma Xi, Dec. 2008.

Elected as a Fellow of Trumbull College at Yale University, Sep. 2007.

Elected to membership in the Philosophical Society of Washington, Feb. 2007.

Elected to Fellow status in the American Psychological Association, Jan. 2006  
 “... in recognition of outstanding and unusual contributions to the science and profession of psychology.”

Award for “Commendable Performance ... for his superior leadership of all federal government departments and agencies involved in the protection of human subjects,”  
 Sep. 2003, from the Human Subjects Research Subcommittee, Committee on Science, National Science and Technology Council, Office of Science and Technology Policy, Executive Office of the President of the United States.

Elected to Fellow status in the American Psychological Society, June 2003, for  
 “... sustained outstanding achievements in psychological science.”

Elected to the rank of AAAS Fellow in Section Z of the American Association for the Advancement of Science, Sep. 2002, for “... major contributions to the understanding of human speech processing and the technology of speech analysis.”

Elected as a Fellow in the Acoustical Society of America, June 1999.

## Professional and Community Service:

### *Present:*

President of the Federation of Associations in Behavioral and Brain Sciences (FABBS), starting Jan. 2022.

Member, International Selection Committee, Bower Award and Prize for Achievement in Science, The Franklin Institute, Sep. 2021 – present.

Editor, Haskins Press, New Haven, CT, Jan. 2021 – present.

Board of Directors, Emeritus, impact of Gender/Sex on Innovation and Novel Technologies (iGIANT), 2020 – present.

Vice Chair, University of Connecticut Board of Trustees, for the Research, Entrepreneurship and Innovation Committee, Oct. 2019 – present.

BrainMind National Neuroscience Advisory Board, May 2019 – present.

Member, Board of Trustees, Haskins Laboratories, Oct. 2018 – present.

Chair, Development Committee, Haskins Board of Trustees, Oct. 2018 – present.

Member, Board of Trustees, University of Connecticut (UConn); also a member of the Academic Affairs and Finance committees; Dec. 8, 2017 – present.

Member, American Academy of Arts & Sciences, Challenges for International Scientific Partnerships (CISP), Large Scale Science Working Group; 2017 – present.  
Member, American Academy of Arts & Sciences, Commission on Language Learning Dec. 2015 – present.  
Member, *Beyond Conflict* Scientific Advisory Committee, Cambridge, MA, Nov. 2015 – present.  
Acoustical Society of America representative to the AAAS Section Committee on Linguistics & Language Science, Feb. 2010 – present.  
Participant in the Yale Interdisciplinary Center for Bioethics, 2003 – present.

*Previous:*

Invited participant, iGIANT (impact of Gender/Sex on Innovation and Novel Technologies) Sports Summit, Aug. 18, 2021.  
Member, Advisory Board for the National Science Foundation’s Convergence Accelerator, RISE: Reimagining Innovation in STEM Education for Human and Social Good. 2021  
President-elect of the Federation of Associations in Behavioral and Brain Sciences (FABBS), starting Jan. 2020 – Dec. 2021.  
Member, National Academies’ Board on Behavioral, Cognitive, and Sensory Sciences (BBCSS) Board Review panel, Mar. 28-29, 2019.  
Oversaw the workshop review process, National Academies Decadal Survey, Social and Behavioral Sciences for National Security, Nov. 22, 2017 – 2018.  
Member, National Academy of Public Administration’s NASA Advisory Council: Organizational Assessment panel, 2017 – 2018.  
Director and Treasurer, impact of Gender/Sex on Innovation and Novel Technologies (iGIANT), 2016 – 2021.  
Member, Advisory Board, The Affinity Project, Inc., Cambridge, MA, 2015 – 2021.  
Co-chair, Common Rule Modernization Working Group, Feb. 2014 – Feb. 2015.  
Co-Chair of the NSTC Committee on Science (with the Directors of NIH and the NSF), June 2012 – July 2014.  
Member, Executive Committee, STAR METRICS, a Federal collaboration with research Institutions, June 2012 – Feb. 2015.  
Administrative lead for the White House neuroscience initiative, Feb. 2012 – Feb. 2015.  
Member of the Yale University Whitney Humanities Center “Mind, Brain, Culture, and Consciousness” group, Apr. 2004 - Feb. 2012.  
Acoustical Society of America representative to the AAAS Consortium of Affiliates for Security Policy (CASP), Sep. 2010 – Feb. 2012.  
Technical Advisory Committee, Transportation Security Administration’s (TSA). Screening of Passengers by Observational Techniques (SPOT) program, July 2010 – Feb. 2012.  
Member, National Academies Transportation Review Board, ACRP Committee on Evaluating the Impact of Aviation Noise on Learning, Dec. 2009 – Feb. 2012.  
Executive Committee member-at-large, The Federation of Behavioral, Psychological, and Cognitive Sciences, Jan. 2009 – Dec. 2011.  
Haskins Laboratories Board of Directors, Governance Committee, Oct. 2008 – Feb. 2012  
Vice Chairman of the Board, The Discovery Museum and Planetarium, Bridgeport, CT,

Sep. 2008 – Feb. 2012.  
 Co-leader of Teagle Foundation *Yale University – Haskins Laboratories Collegium on Student Learning* (with Michael Holquist and Kenneth Pugh), June 2008 – Feb. 2012.  
 Board of Trustees, Les Birkmaier Fund, Bridgeport, CT, July 2007 – Feb. 2012.  
 Chair, National Academies' Board on Behavioral, Cognitive, and Sensory Sciences, July 2006 – Dec. 2011.  
 Steering Committee, Yale University Whitney Humanities Center "Mind, Brain, Culture, and Consciousness" group, Apr. 2006 – Dec. 2011.  
 Visiting Research Fellow, MARCS Auditory Laboratories, University of Western Sydney, Jan. 2006 – Dec. 2011.  
 Subcommittee of Committee A on Academic Freedom and Tenure, American Association of University Professors, July 2005 – Dec. 2011.  
 Board Member and Trustee, The Discovery Museum and Planetarium, Bridgeport, CT, June 2004 – Feb. 2012.  
 Faculty advisor, Yale University Interdisciplinary Center for Bioethics, Technology and Ethics working group, May 2004 – Feb. 2012.  
 Participant in the Yale Law School Information Society Project, Feb. 2004 – Feb. 2012.  
 Chair, Marketing Committee, *Journal of Empirical Research on Human Research Ethics* (JERHRE), July 2006 – Dec. 2010.  
 Member of the Advisory Board the *Journal of Empirical Research on Human Research Ethics* (JERHRE), 2005 – Dec. 2010.  
 Chair, External Nominations Committee, The Federation of Behavioral, Psychological, and Cognitive Sciences, Jan. 2009 – Nov. 2010.  
 Member, National Academies Committee on Developing Metrics for Department of Homeland Security Science and Technology Research, Sep. 2009 – Oct. 2010.  
 Chair, National Cancer Institute Basic and Behavioral Research Branch Expert Meeting: Sensory Sciences & Embodied Cognition, The National Academies, National Research Council, Washington, DC, August 4-5, 2010.  
 Chair, National Research Council Steering Committee on Meeting Department of Defense Counterintelligence Needs Through Behavioral and Social Sciences Research, Jan. 2009 – Mar. 2010.  
 Scientific Advisory Committee, House Ear Institute, June 2006 – June 2007.  
 Nominations Committee, AAAS (American Association for the Advancement of Science), Section Z, Nov. 2005 – Oct. 2008.  
 Chairman of the Board, The Discovery Museum and Planetarium, Bridgeport, CT, June 2005 – Sep. 2008.  
 Ethics Committee, Linguistic Society of America, Oct. 2006 – Aug. 2010.  
 Member of the NIH-funded Social and Behavioral Sciences Working Group on Human Subjects Protections, Sep. 2002 – Dec. 2005.  
 SACHRP (Secretary's Advisory Committee on Human Subjects Protections), NSF *ex officio* member, July 2003 – Sep. 2003. Advisory to the Secretary of HHS.  
 Chair of the inter-agency National Science and Technology Council Committee on Science Human Subjects Research Subcommittee (HSRS), under the supervision of the President's Office of Science and Technology Policy, Jan. 2003 – Sep. 2003,  
 Co-chair of the National Science Foundation Human and Social Dynamics priority area Implementation Group (HSDIG), Sep. 2002 – May 2003.

Member of the National Science and Technology Council (NSTC) SBE Working Group on Terrorism, under the supervision of the President's Office of Science and Technology Policy (OSTP), 2002 – Sep. 2003.

Member of the National Science Foundation Science and Technology Centers (STC) Coordinating Committee, 2001 – Sep. 2003.

Member of the inter-agency National Science and Technology Council (NSTC) Human Subjects Research Subcommittee (HSRS), under the supervision of the President's Office of Science and Technology Policy (OSTP), 2000 – Sep. 2003.

Chair of the NSTC Human Subjects Research Subcommittee, Behavioral and Social Science Working Group (HSRS-BSWG), 2000 – Jan. 2003.

NHRPAC (National Human Research Protections Advisory Committee), NSF *ex officio* member, 2000 – Sep. 2002.

Founding President and Director, AVISA (Auditory Visual Speech Association), 1998 – 2001.

Organizing Committee, AVSP'99 (Auditory-Visual Speech Processing).

Acting Editor, special issue of *Speech Communication*, 1998.

Core leader, NIH / NICHD P-01, "The Nature and Acquisition of the Speech Code and Reading," 1992 – Feb. 2012.

Research Fellow, ATR International, Kyoto, Japan, 1990-2000.

Publisher, *The Desktop Journal*, 1985-1994.

## Publications:

- Rubin, P. (2022). Arthur Abramson. In *Oxford Research Encyclopedia of Linguistics*, April 20, 2022. doi: <https://doi.org/10.1093/acrefore/9780199384655.013.923>
- Rubin, P. (2021). "Foreword." In Carol A. Fowler and Donald Shankweiler, *Language and Life: Haskins Laboratories' first half century*. Haskins Press: 2021.
- Lubell, Michael S. and Rubin, Philip. (2021). "Biden's Big Science Challenge: Increasing Public Trust." *Scientific American*, March 15, 2021.
- Rubin, Philip. (2019). "In Memoriam: John T. Cacioppo (1951 – 2018)." *American Psychologist*, Vol. 74, No. 6, 745.
- Rubin, Philip. (2019). "Modernizing the Human Subjects Regulations." *The Regulatory Review*, University of Pennsylvania, May 2, 2019.
- Rubin, Philip and Munhall, Kevin (2018). "Eric Vatikiotis-Bateson (1952-2017)". *Phonetica*, Vol. 75 (3), 187-190.
- Remez, Robert E. and Rubin, Philip E. (2016). Perceptual Organization and Lawful Specification. *Ecological Psychology*, Vol. 28, No. 3, 160-165.
- Rubin, P. (2012). "Cognitive Science." In William Sims Bainbridge (ed.). *Leadership in Science and Technology: A Reference Handbook*. SAGE Publications: 2012.
- Gordon, Judith B., Levine, Robert J., Mazure, Carolyn M., Rubin, Philip E., Schaller, Barry R., and Young, John L. (2011). Social Contexts Influence Ethical Considerations of Research. *The American Journal of Bioethics*, 11:5, 24-30.
- Levine, Robert J., Gordon, Judith B., Mazure, Carolyn M., Rubin, Philip E., Schaller, Barry R., and Young, John L. (2011). Response to Open Peer Commentaries on "Social Contexts Influence Ethical Considerations of Research". *The American Journal of Bioethics*, 11:5, W1-W2.

- Rubin, P. (2011). "Behavioral Science and Security: Technology, Validation, and Ethics." National Academies 2011 Annual Meeting, "Screening for Security: Intrusion versus Privacy." Gaylord National Hotel, National Harbor, MD, May 1, 2011.
- Rubin, P., Fels, S., and Vatikiotis-Bateson, E. (2011). Gesture to Gesture: creating the gesture-based articulatory synthesizer of the future. *Proceedings of -3s-2011, First International Workshop on Performative Speech and Singing Synthesis*, Vancouver, BC, Canada, March 14-15, 2011, 1-16.
- Rubin, P. and Wanchisen, B. (2011). "Introduction." In: National Research Council, *Communication and Threatening Behavior: Perspectives on the Pursuit of Public Figures*. National Academies Press: 2011.
- Rubin, P. (2011). "Parsing, Human," encyclopedia entry for *The Cambridge Encyclopedia of the Language Sciences*, edited by Patrick Colm Hogan, 587. Cambridge University Press.
- Rubin, P. (2011). "Sinewave Synthesis," encyclopedia entry for *The Cambridge Encyclopedia of the Language Sciences*, edited by Patrick Colm Hogan, 777-778. Cambridge University Press.
- National Research Council. (2010). *Field Evaluation in the Intelligence and Counterintelligence Context*. Workshop Summary. Washington, D.C.: National Academies Press.
- Hogden, J., Rubin, P., McDermott, E., Katagiri, S., & Goldstein, L. (2007). Inverting mappings from smooth paths through  $R^n$  to paths through  $R^m$ : A technique applied to recovering articulation from acoustics. *Speech Communication*, May 2007, Volume 49, Issue 5, 361-383.
- Goldstein, L. and Rubin, P. (2007). Speech: Dances of the Vocal Tract. *Odyssey Magazine*, Jan. 2007, 14-15.
- Rubin, Philip and Sieber, Joan E. (2006). Editorial – Empirical Research on IRBs and Methodologies Usually Associated with Minimal Risk. *Journal of Empirical Research on Human Research Ethics*, Dec. 2006, Vol. 1, Issue 4, 1-4.
- Rubin, P. (2004). NSF reflections. *American Psychological Society Observer*, 17, 20-22.
- Rubin, P. (2003). Introduction. In S. L. Cutter, D. B. Richardson, & T. J. Wilbanks (Eds.), *The Geographical Dimensions of Terrorism*. New York: Routledge.
- Iskarous, Khalil, Goldstein, Louis M., Whalen, D. H., Tiede, Mark K., & Rubin, Philip E. (2003). CASY: The Haskins Configurable Articulatory speech synthesizer. In Daniel Recasens, Maria-Josep Solé & Joaquín Romero (Eds.), *Proceedings of the 15th International Congress of Phonetic Sciences* (pp. 185-188). Barcelona: Universitat Autònoma de Barcelona.
- Rubin, P. (2002). The regulatory environment for science: Protecting participants in research. In A. H. Teich, S. D. Nelson & S. J. Lita (Eds.), *AAAS Science and Technology Policy Yearbook 2002* (pp. 199-206). Washington, D.C.: American Association for the Advancement of Science.
- Sieber, J. E., Plattner, S. & Rubin, P. (2002). How (Not) to Regulate Social and Behavioral Research. *Professional Ethics Report*, 15, 1-4.
- Remez, R. E., Pardo, J.S., Piorkowski, R. L. & Rubin, P. E. (2001). On the bistability of sinewave analogs of speech. *Psychological Science*, 12, 24-29.
- Yehia, H.C., Rubin, P.E. & Vatikiotis-Bateson, E. (1998). Quantitative association of vocal-tract and facial behavior. *Speech Communication*, 26, 23-24.

- Remez, R., Fellowes, J.M., Pisoni, D.B., Goh, W.D. & Rubin, P.E. (1998). Multimodal perceptual organization of speech: Evidence from tone analogs of spoken utterances. *Speech Communication*, 26, 65-73.
- Rubin, P., & Vatikiotis-Bateson, E. (1998). Talking heads. In D. Burnham, J. Robert-Ribes, & E. Vatikiotis-Bateson (Eds.), *International Conference on Auditory-Visual Speech Processing - AVSP'98* (pp. 231-235). Terrigal, Australia.
- Rubin, P., & Vatikiotis-Bateson, E. (1998). Measuring and modeling speech production in humans. In S.L. Hopp, M. J. Owren & C.S. Evans (Eds.), *Animal Acoustic Communication* (pp. 251-290). New York: Springer-Verlag.
- Saltzman, E., Löfqvist, A., Kay, B., Kinsella-Shaw, J. & Rubin, P. (1998). Dynamics of intergestural timing: A perturbation study of lip-larynx coordination. *Experimental Brain Research*, 123, 412-424.
- Remez, R. E., Van Dyk, J. L., Fellowes, J. M. & Rubin, P. E. (1998). On the perception of qualitative and phonetic similarities of voices. In P. K. Kuhl & L. A. Crum (Eds.), *Proceedings of the 16th International Congress on Acoustics and the 135th Meeting of the Acoustical Society of America, Volume 4* (pp. 2063-2064). New York: Acoustical Society of America.
- Fellowes, J. M., Remez, R. E. & Rubin, P. E. (1997). Perceiving the sex and identity of a talker without natural vocal timbre. *Perception & Psychophysics*, 59, 839-849.
- Remez, R. E., Fellowes, J. M. & Rubin, P. E. (1997). Talker identification based on phonetic information. *Journal of Experimental Psychology: Human Perception and Performance*, 23, 651-656.
- Vatikiotis-Bateson, E., Tiede, M. K., Rubin, P. & Benoît, C. (1997). Visualization of speech production: For better and for worse. *Proceedings of ASVA 97, International Symposium on Simulation, Visualization and Auralization for Acoustic Research and Education*, Tokyo, Japan, April 2-4, 1997, 233-240.
- Yehia, H.C., Rubin, P.E. & Vatikiotis-Bateson, E. (1997). Quantitative association of vocal-tract and facial behavior. *Proceedings of AVSP '97*, Rhodes, Greece, 26-27 Sep. 1997, 41-46.
- Hogden, J., Löfqvist, A., Gracco, V., Rubin, P. & Saltzman, E. (1996). Accurate recovery of articulator positions from acoustics: New conclusions based on human data. *Journal of the Acoustical Society of America*, 100, 1819-1834.
- Hogden, J., Rubin, P. & Saltzman, E. (1996). An unsupervised method for learning to track tongue position from an acoustic signal. *Bulletin Communication Parlée*, 3, 101-116.
- Rubin, P., Saltzman, E., Goldstein, L., McGowan, R., Tiede, M. & Browman, C. (1996). CASY and extensions to the task-dynamic model. *Proceedings of the 4th Speech Production Seminar*, Grenoble, France, 125-128.
- Rubin, Philip E. (1995). HADES: A Case Study of the Development of a Signal Analysis System. In A. Syrdal, R. Bennett & S. L. Greenspan (Eds.), *Applied Speech Technology* (pp.501-520). Boca Raton: CRC Press.
- Saltzman, E., Löfqvist, A., Kinsella-Shaw, J., Kay, B. & Rubin, P. (1995). On the dynamics of temporal patterning in speech. In F. Bell-Berti & L. Raphael (Eds.) *Producing Speech: Contemporary Issues for Katherine Safford Harris* (pp. 469-487). American Institute of Physics, 1995.



- Remez, R. E., Rubin, P. E., Berns, S. M., Pardo, J. S. & Lang, J. M. (1994). On the perceptual organization of speech. *Psychological Review*, *101*, 129-156.
- Remez, R. E., & Rubin, P. E. (1993). On the intonation of sinusoidal sentences: Contour and pitch height. *Journal of the Acoustical Society of America*, *94*, 1983-1988.
- Saltzman, E., Lofqvist, A., Kinsella-Shaw, J., Rubin, P. E. & Kay, B. (1992). A perturbation study of lip-larynx coordination. In J. J. Ohala, T. M. Nearey, B. L. Derwing, M. M. Hodge & G. E. Wiebe (Eds.), *Proceedings of the International Conference on Spoken Language Processing (ICSLP '92): Addendum* (pp. 19-22). Edmonton, Canada: Priority Printing.
- Saltzman, E., Kay, B., Rubin, P., & Kinsella-Shaw, J. (1991). Dynamics of intergestural timing. *Perilus XIV*, Institute of Linguistics, University of Stockholm, Stockholm, Sweden, 47-56.
- Remez, R. E., & Rubin, P. E. (1990). On the perception of speech from time-varying attributes: Contributions of amplitude variation. *Perception & Psychophysics*, *48*, 313-325.
- Whalen, D. H., Wiley, E. R., Rubin, P. E. & Cooper, F. S. (1990). The Haskins Laboratories' pulse code modulation (PCM) system. *Behavior Research Methods, Instruments, & Computers*, *22*, 550-559.
- Saltzman, E., Goldstein, L., Browman, C. & Rubin, P. (1988). Dynamics of gestural blending during speech production. *Neural Networks*, Volume 1, Supplement 1, 316.
- Saltzman, E., Goldstein, L., Browman, C., & Rubin, P. (1988). Modeling speech production using dynamic gestural structures. *Journal of the Acoustical Society of America*, *84*, S146.
- Remez, R. E., Rubin, P. E., Nygaard, L. C. & Howell, W. A. (1987). Perceptual normalization of vowels produced by sinusoidal voices. *Journal of Experimental Psychology: Human Perception and Performance*, *13*, 40-61.
- Saltzman, E., Rubin, P. E., Goldstein, L. & Browman, C. P. (1987). Task-dynamic modeling of interarticulator coordination. *Journal of the Acoustical Society of America*, *82*, S15.
- Browman, C. P., Goldstein, L., Kelso, J. A. S., Rubin, P. E. & Saltzman, E. (1984). Articulatory synthesis from underlying dynamics. *Journal of the Acoustical Society of America*, *75*, S22.
- Remez, R. E. & Rubin, P. E. (1984). Perception of intonation in sinusoidal sentences. *Perception & Psychophysics*, *35*, 429-440.
- Remez, R. E., Rubin, P. E., & Pisoni, D. B. (1983). Coding of the speech spectrum in three time-varying sinusoids. In C. Parkins and S. W. Anderson (Eds.), *Cochlear Protheses* (pp. 485-489). New York: New York Academy of Sciences.
- Remez, R. E. & Rubin, P. E. (1983). The stream of speech. *Scandinavian Journal of Psychology*, *24*, 63-66.
- Rubin, P., Baer, T. & Mermelstein, P. (1981). An articulatory synthesizer for perceptual research. *Journal of the Acoustical Society of America*, *70*, 321-328.
- Remez, R. E., Rubin, P. E., Pisoni, D. B. & Carrell, T. D. (1981). Speech perception without traditional speech cues. *Science*, *212*, 947-950.
- Kelso, J. A. S., Holt, K. G., Rubin, P. & Kugler, P. N. (1981). Patterns of human interlimb coordination emerge from the properties of non-linear, limit-cycle oscillatory processes: theory and data. *Journal of Motor Behavior*, *13*, 226-261.

- Fowler, C. A., Rubin, P. E., Remez, R. E. & Turvey, M. T. (1980). Implications for speech production of a general theory of action. In B. Butterworth (Ed.), *Language Production, Vol. I: Speech and Talk* (pp. 373-420). New York: Academic Press.
- Rubin, P.E. (1980). Sinewave synthesis. Internal memorandum. Haskins Laboratories, New Haven, Connecticut.
- Goodman, D., Rubin, P. & Kelso, J. A. S., (1980, May). *The use of minicomputers in motor behavior research*. Invited paper at Annual Conference of the North American Society for the Psychology of Sport and Physical Activity Workshop in Boulder, CO. A generalized system for the capture and analysis of movement data.
- Mermelstein, P., & Rubin, P., (1977). Articulatory synthesis - a tool for the perceptual evaluation of articulatory gestures. In Carre, R., Descout, R. & Wajskop, M. (Eds.), *Articulatory Modeling and Phonetics*. Brussels : G.A.L.F. Groupe de la Communication Parlee.
- Rubin, P., Turvey, M. T. & Van Gelder, P. (1976). Initial phonemes are detected faster in spoken words than in spoken nonwords. *Perception and Psychophysics*, 19, 394-398.

## Conference, Symposium, and Community Service Presentations:

- Rubin, P. (2021). "Countering Bias in Artificial Intelligence." Invited presentation, Science, Technology, and Utopian Visions Working Group, Yale University, New Haven, CT, Mar. 17, 2021.
- Rubin, P. (2019). Invited participant, International Congress for the Governance of Artificial Intelligence planning meeting. New York University, Sep. 26, 2019.
- Rubin, P. (2019). "AI, Robotics, Gene Editing: emerging technologies and their societal and ethical impacts." Yale Whitney Humanities Center: Science, Technology, and Utopian Visions Working Group (STUVWG)", March 20, 2019, Yale University
- Rubin, P. (2017). "BBCSS Chair's Opening Remarks: BBCSS 2006-2011." Invited presentation: 20<sup>th</sup> Anniversary of the National Academies' Board on Behavioral, Cognitive and Sensory Sciences, National Academies, Washington, DC, October 19, 2017
- Rubin, P. (2016). "Obama's BRAIN: a view of science policy from inside the White House.", IBM Watson Health Distinguished Lecture Series, Jan. 19, 2016
- Rubin, P. (2015). "Obama's BRAIN: a view of science policy from inside the White House.", The Philosophical Society of Washington, The 2354<sup>th</sup> Meeting, Nov. 20, 2015
- Rubin, P. (2014). "White House OSTP: Policy as Embodied Action." NIH Executive Leadership Program, invited presentation: Brookings Institution, Washington, DC, June 26, 2014
- Rubin, P. (2014). "The BRAIN Initiative: opportunities at the nexus of nanoscience and neuroscience." Invited presentation: The NSTC Nanoscale Science, Engineering, and Technology (NSET) Subcommittee meeting, White House Conference Center, Washington, DC, June 24, 2014
- Rubin, P. (2014). "White House OSTP: Policy as Embodied Action." Keynote speech, American Academy of Arts and Sciences / New York State Energy Research and Development Authority (NYSRDA) workshop: Applying Behavioral Strategies to Energy Decisions and Behaviors. Pace University Law School, White Plains, NY, June 18, 2014

- Rubin, P. (2014). "The White House Neuroscience Initiative." Opening address, NeuroFutures, University of Washington, Seattle, WA, June 17, 2014
- Rubin, P. (2014). "The White House Neuroscience Initiative." Dinner speaker, AAAS-ABA National Conference of Lawyers and Scientists, AAAS, Washington, DC, March 7, 2014
- Rubin, P. (2013). "The Discovery of the Higgs Boson." Public statement at the U.S. Congress. Celebration of the Discovery of the Higgs Boson, hosted by the House Science Caucus, Rayburn House Office Building, Washington, DC, Nov. 20, 2013
- Rubin, P. (2013). "The White House Neuroscience Initiative." Opening speaker, The Impact of Brain and Mind Research, a symposium in honor of the inauguration of Dr. Subra Suresh, Carnegie Mellon University, Pittsburgh, PA, September 28, 2013.
- Rubin, P. (2013). "The White House Neuroscience Initiative: Policy as Embodied Action." Linguistic Society of America Annual Meeting, Invited Plenary Panel: Language in the Public Sphere: Policy Implications of Linguistics Research. Boston, MA, Jan. 4, 2013
- Rubin, P. (2013). "Talking Heads: Speech and Embodied Cognition." Invited presentation, Krasnow Institute, George Mason University, Fairfax, VA, Feb. 11, 2013.
- Rubin, P. (2013). "The White House Neuroscience Initiative: Policy as Embodied Action." Linguistic Society of America Annual Meeting, Invited Plenary Panel: Language in the Public Sphere: Policy Implications of Linguistics Research. Boston, MA, Jan. 4, 2013
- Neuroscience Quarterly*. (2012). "Q&A: Exploring the White House Neuroscience Initiative." An interview with Philip Rubin, Fall 2012, 4-5.
- Barbosa, Adriano V., Oberg, Martin A., Rubin, Philip E., Yehia, Hani C., and Vatikiotis-Bateson, Eric. (2011). "Using instantaneous correlation to assess intra and inter speaker coordination during speech." Proceedings of the International Seminar on Speech Production (ISSP) 2011, 9<sup>th</sup> Edition, Montréal, June 20-23, 2011, 9-10.
- Rubin, P. (2011). Invited participant, National Academies 2011 Annual Meeting, "Screening for Security: Intrusion versus Privacy." Gaylord National Hotel, National Harbor, MD, May 1, 2011.
- Rubin, P. (2011). Invited participant, C-PET (Center for Policy on Emerging Technologies) Roundtable -- Innovation: Risk, Entrepreneurship and Globalization. Washington, D.C., Feb. 16, 2011.
- Rubin, P. (2011). Invited participant, DuPont Summit on Science, Technology, and Environmental Policy. Carnegie Institution, Washington, D.C., Dec. 3, 2010.
- Rubin, P. (2010). Invited participant, American Psychological Association Science Leadership Conference, Strengthening Our Science: Enhancing the Status of Psychology as a STEM Discipline. Washington, D.C., Nov. 11-13, 2010.
- Rubin, P. (2010). Invited participant, ESRC/NIA Workshop on the Role of Well-Being Measures in Public Policy. The National Academies, Washington, D.C., Nov. 8-9, 2010.
- Rubin, P. (2010). Talking Heads. Invited presentation, ScienceWriters2010, Yale University, New Haven, CT, Nov. 5-9, 2010.
- Rubin, P. (2010). Panelist, Mindsets: a conversation between artists and scientists, Arts Council of Greater New Haven, Haskins Laboratories, New Haven, CT, Nov. 4, 2010.

- Rubin, P. (2010). Talking Heads: speech embodied, embedded and enactive. Invited presentation, Haskins Laboratories 75<sup>th</sup> Anniversary Series: The Haskins Legacy, Haskins Laboratories, New Haven, CT, Nov. 4, 2010.
- Rubin, P. (2010). Invited participant, NIH OppNet: Expanding Opportunities in Basic Behavioral and Social Science Research. The National Academies, Washington, D.C., Oct. 28-29, 2010.
- Rubin, P. (2010). Chair, National Cancer Institute Basic and Biobehavioral Research Branch Expert Meeting: Sensory Sciences and Embodied Cognition. The National Academies, Washington, DC, Aug. 4-5, 2010.
- Rubin, P. (2010). Security, Safety and Human Subjects' Protection (with Dr. Ivor Pritchard and Dr. Julie Kaneshiro, Office for Human Research Protections (OHRP), HHS, and Dr. Donald Witters, Jr., U.S. Food and Drug Administration (FDA), HHS). Invited presentation, National Institutes of Health (NIH) – mHealth Workshop: Reducing Barriers to Mobile Technology Usage in Behavioral and Social Sciences Research, Bethesda, MD, June 7-8, 2010.
- Rubin, P. (2010). Invited participant and commentator, National Academies' Committee on Developing Metrics for Department of Homeland Security and Technology Research, Workshop: Mobilizing Science and Technology to Address Missions. Washington, DC, April 22, 2010.
- Rubin, P. (2010). Talking Heads: Speech and Embodied Cognition. Invited presentation, Trumbull College Fellows meeting, Yale University, Mar. 25, 2010.
- Rubin, P. (2010). Human subjects protections: fighting "mission creep". Invited presentation, Yale Bioethics Society, Davenport College, Yale University, Mar. 24, 2010.
- Rubin, P., Ramsay, G., & Vatikiotis-Bateson, E. (2009). Talking heads: Speech synthesis and embodied cognition. Invited presentation. 158th Meeting of the Acoustical Society of America, San Antonio, Texas, Oct. 27, 2009.
- Rubin, P. (2009). Voice Stress Technologies. Invited presentation, The National Academies Workshop on Field Evaluation of Behavioral and Cognitive Sciences-Based Methods and Tools for Intelligence and Counter-Intelligence, Washington, DC, Sep. 22, 2009.
- Rubin, P. (2008). Talking Heads: Embodied Cognition and Ethics. Invited presentation, Yale University Interdisciplinary Center for Bioethics, Technology and Ethics Working Group, Dec. 3, 2008.
- Rubin, P. (2008). Talking Heads: Speech and Embodied Cognition. Invited presentation, University of British Columbia, Oct. 23, 2008.
- Rubin, P. (2008). Talking Heads: Speech and Embodied Cognition. Invited presentation, The National Academies Committee on Human-Systems Integration, Washington, DC, Sep. 9, 2008.
- Rubin, P. (2008). Talking Heads: Speech and Embodied Cognition. Invited presentation, A Natural-Physical Perspective on Perception-Action-Cognition conference, University of Connecticut, Storrs, June 19, 2008.
- Rubin, P. (2008). Moving Forward with IRBs: Best Practices. Chair and Moderator, Association for Psychological Science Symposium, Chicago, May 23, 2008.

- Rubin, P. (2008). Organizer, Moderator and Speaker, AAAS Symposium: Advances in Language and Speech Science and Technology. AAAS Annual Meeting, Boston, MA, Feb. 15, 2008.
- Rubin, P. (2007). The Great Debate — The Tension Between IRB Review and Academic Freedom / the First Amendment (with Jerry Menikoff and Robert Levine). Invited presentation at PRIM&R (Public Responsibility in Medicine and Research) 2007 Annual HRPP Conference (Human Research Protection Programs in an Evolving Research Landscape), Boston, Dec. 3, 2007.
- Rubin, P. (2007). Invited participant, American Psychological Association Grand Challenges Summit, Baltimore, MD, Oct. 28-30, 2007.
- Rubin, P. (2007). Co-organizer, with Leon Fuerth, of the Forward Engagement “Evolutionary Secession” session, sponsored by the Rockefeller Brothers Fund and The George Washington University, Washington, DC, April 2007.
- Barbosa, Adriano V., Yehia, Hani C., Rubin, Philip and Vatikiotis-Bateson, Eric. (2006). Relating the Audible and Visible Components of Speech. 7<sup>th</sup> International Seminar on Speech Production, Utabuba – SP- Brazil, Dec. 13-15, 2006.
- Rubin, P. (2006). Human Subjects and Public Policy. Invited talk, American Psychological Association Science Leadership Conference, 2006, Washington, D.C., Dec. 1-2, 2006.
- Rubin, P. (2006). Turning Fears into Public Policy: Grey Goo and Government. Invited talk, SEAC (Society for Ethics Across the Curriculum) 8<sup>th</sup> Annual International Conference, 2006, Ethics Institute, Dartmouth College, Hanover, NH, Nov. 16-18, 2006.
- Thomson, Judith Jarvis, Elgin, Catherine, Hyman, David A., Rubin, Philip, E., and Knight, Jonathan. (2006). AAUP Report: Research on Human Subjects: Academic Freedom and the Institutional Review Board. *Academe*, Volume 92, Number 5, Sep.-Oct. 2006.
- Rubin, P. (2006). Panel of Experts and Invited Participant, Creative Ethical Problem Solving in Human Research, Oakland, CA, July 28, 2006. Sponsored by National Institutes of Health, National Science Foundation and California State University, East Bay.
- Rubin, P. (2006). Talking Heads: Computational Models of Speech Production. University of Western Sydney, Sydney, Australia, Apr. 18, 2006.
- Rubin, P. (2006). Invited participant, Forward Engagement “Social Tsunamis” conference, The George Washington University, Washington, DC, April 7, 2006.
- Rubin, P. (2006). Cognitive Science and Public Policy: observations of a former NSF administrator. Yale University Dept. of Psychology Seminar on Cognitive Science and Public Policy, New Haven, CT, Mar. 31, 2006.
- Rubin, P. (2005). Talking Heads: from the history of early talking machines through embodied conversational agents. Yale University: Science, Technology and Utopian Visions Working Group, New Haven, CT, Dec. 14, 2005.
- Rubin, P., Best, C., Ramsay, G., Frost, S. & Repp, B. (2005). Cross-modal perception of vowels, stops, and approximants using reduced-formant stimuli. 149<sup>th</sup> Meeting of the Acoustical Society of America, Vancouver, Canada, May 20, 2005.

- Ramsay, G., Rubin, P., & Best, C. (2005). Acoustic eigenmodes and formant-cavity affiliations for the time-varying vocal tract. 149th Meeting of the Acoustical Society of America, Vancouver, Canada, May 19, 2005.
- Rubin, P. (2005). Invited participant and commentator, *APA-Fordham Minimal Risk Conference*, sponsored by the American Psychological Association and Fordham University. New York, Apr. 29-30, 2005.
- Rubin, P. (2005). Workshop Session Co-Chair (Cyberinfrastructure-mediated Interaction, with Ruzena Bajcsy) and workshop participant. *NSF SBE-CISE Workshop on Cyberinfrastructure and the Social and Behavioral Sciences*. National Science Foundation workshop, Airlie Center, Warrenton, Virginia, March 15-16, 2005.
- Rubin, P. (2005). Organizer and Chair, AAAS Symposium: Some children are left behind: improving reading by understanding language. AAAS Annual Meeting, Washington, DC, Feb. 18, 2005.
- Rubin, P. (2004). Careers for behavioral/social scientists in management and public policy. *Non-Academic Careers in Behavioral, Psychological, and Cognitive Science*. The Federation of Behavioral, Psychological, & Cognitive Sciences. Washington, D.C., Dec. 3, 2004.
- Rubin, P. (2004). Invited participant and commentator, *Speech Separation and Comprehension in Complex Acoustic Environments*, sponsored by the Air Force Office of Scientific Research and the National Science Foundation. Montreal, Quebec, Nov. 4-7, 2004.
- Rubin, P. (2004). Co-moderator (with I. Pritchard), *Federal Forum* (a town-hall meeting with representatives from various federal agencies). PRIM&R (Public Responsibility in Medicine and Research) 2004 Annual IRB Conference, San Diego, Oct. 30, 2004.
- Rubin, P. (2004). Enhancing communications between sponsors and research institutions (with R. Newbower, M. Francis, & G. Prakash). PRIM&R (Public Responsibility in Medicine and Research) 2004 Annual IRB Conference, San Diego, Oct. 29, 2004.
- Rubin, P. (2004). Cyberinfrastructure and the social sciences. *Workshop on Cyberinfrastructure and the Social and Behavioral Sciences*. Informal National Science Foundation workshop, Arlington, Virginia, Sep. 27, 2004.
- Rubin, P. (2004). Social and behavioral research with human subjects: opportunities for SACHRP and OHRP. Secretary's Advisory Committee on Human Research Protection, Washington, D.C., July 2004.
- Rubin, P. (2003). Participant in, *The Firing Line* (a panel representing the federal perspective on human subjects protections in all fields of research). PRIM&R (Public Responsibility in Medicine and Research) 2003 Annual IRB Conference, Dec. 5-7, 2003.
- Rubin, P. (2003). The federal perspective on human subjects protections in social and behavioral research. PRIM&R (Public Responsibility in Medicine and Research) 2003 Annual IRB Conference, Dec. 5-7, 2003. (With Ellen Campbell, Dept. of Education; Felice Levine, AERA; Stuart Plattner, NSF, and George Pospisil, OHRP.)
- Rubin, P. (2003). Moderator, *The Federal Forum* (a town-hall meeting with representatives from various federal agencies). PRIM&R (Public Responsibility in Medicine and Research) 2003 Annual IRB Conference, Dec. 5-7, 2003.

- Rubin, P. (2003). Beneficence: What good has come / can come from social science research. PRIM&R (Public Responsibility in Medicine and Research) 2003 Annual IRB Conference, Dec. 5-7, 2003. (With Moira Keane and Michael Oakes.)
- Rubin, P. (2003). Regulatory flexibility: non-biomedical research. Respect for All Involved: A National Research Integrity & Human Research Protection Workshop. Columbia University, Sep. 8-9, 2003. (With Chris Pascal, J.D., Office of Research Integrity, and Dr. Jeffrey Cohen, Associate Dean, Weill Medical College of Cornell University.)
- Rubin, P. (2003). Non-biomedical research: protecting research participants and supporting the research community. A view from behind the scenes. Respect for All Involved: A National Research Integrity & Human Research Protection Workshop. Columbia University, Sep. 8-9, 2003.
- Rubin, P. (2003). Emerging funding opportunities in the social, behavioral and economic sciences. Grants Resource Center, American Association of State Colleges and Universities (AASCU), Mar. 26, 2003, Alexandria, VA.
- Rubin, P. (2002). Federal funding opportunities and obstacles. The Federation of Behavioral, Psychological, & Cognitive Sciences Annual Meeting, Nov. 16, 2002, Washington, D.C. (With Dr. Raynard Kington, National Institutes of Health; Dr. Michael Stefanek, The National Cancer Institute; and Dr. Paul Schnur, National Institute on Drug Abuse.)
- Rubin, P. (2002). Invited Participant, A Conference on Undergraduate Research and Scholarship and the Mission of the Research University, The Inn and Conference Center, College Park, MD, Nov. 14-15, 2002. Sponsored by The Reinvention Center at Stony Brook.
- Rubin, P. (2002). Data sharing and the social and behavioral sciences at the National Science Foundation. Presented at the 18<sup>th</sup> annual meeting of the International Council for Sciences' Committee on Data for Science and Technology – CODATA 2002, Montreal, Canada, Sep. 30, 2002-Oct. 3, 2002.
- Rubin, P. (2002). Homeland security and the social, behavioral and economic sciences. ESCOP Social Science Committee meeting, Washington, D.C., Sep. 9-10, 2002.
- Rubin, P. (2002). Human subjects protection: creating a climate of common sense. Forum on Research Management (FORM), The Federation of Behavioral, Psychological, and Cognitive Sciences, Washington, D.C., Apr. 18, 2002.
- Rubin, P. (2002). Cognition, social interaction, communication, and convergent technologies. The Technology of Humanity: Can Technology Contribute to the Quality of Life? Illinois Institute of Technology / Chicago-Kent College of Law, Chicago, Illinois, Apr. 5, 2002.
- Rubin, P. (2002). What are the current and future data needs in the social and behavioral sciences? National Research Council Roundtable on Social and Behavioral Sciences and Terrorism. National Academies, Washington, D.C., Mar. 18, 2002.
- Rubin, P. (2002). Overview of social and behavioral science research (with Howard Silver and Jared Jobe). AASCU (American Association of State Colleges and Universities), Reconnecting Networks: Grants Resource Center 2002 Spring Meeting, Washington, D.C., Mar. 18, 2002.
- Rubin, P. (2002). AAHRPP and the social and behavioral sciences. National Press Club, Washington, D. C., Feb. 26, 2002.

- Rubin, P., & Pugh, K. (2002). Speaking, signing, and reading: brain systems that support language use. AAAS Annual Meeting, Boston, MA, Feb. 18, 2002, S11.
- Rubin, P. (2002). Human subjects protection: creating a climate of common sense. DC Sociological Society, George Washington University, Washington, D.C., Feb. 12, 2002.
- Rubin, P. (2002). The National Science Foundation's behavioral research agenda. National Research Council's Board on Behavioral, Cognitive and Sensory Sciences. NRC, Washington, D.C., Jan. 24, 2002.
- Rubin, P. (2002). Closing remarks and final discussion. GABFEST: Processing Communicative Events, ATR Research Laboratories, Kyoto, Japan, Jan. 15, 2002.
- Rubin, P. (2002). Cognition, social interaction, communication and convergent technologies. In M. C. Roco & W. S. Bainbridge (Eds.), *Converging technologies for improving human performance: Nanotechnology, biotechnology, information technology and cognitive science*. NSF/DOC-sponsored report, June 2002, Arlington, Virginia. Report on a workshop held Dec. 3-4, 2001, Arlington, Virginia.
- Rubin, P., Hirschbein, M., Masciangioli, T., Miller, T., Murray, C., Norwood, R. and Sargent, J. (2002). The Communicator: Enhancement of group communication, efficiency and creativity. In M. C. Roco & W. S. Bainbridge (Eds.), *Converging technologies for improving human performance: Nanotechnology, biotechnology, information technology and cognitive science*. NSF/DOC-sponsored report, June 2002, Arlington, Virginia. Report on a workshop held Dec. 3-4, 2001, Arlington, Virginia.
- Rubin, P. (2001). Panel presentation on human subjects in the social and behavioral sciences (with J. Knight & G. Koski). Department Chairs' Breakfast, American Anthropological Association, Washington, D.C., Dec. 1, 2001.
- Rubin, P. (2001). The protection of participants in non-medical research. AAAS Seminar on Science, Technology and Public Policy. Washington, D.C., May 16-17, 2001.
- Remez, R.E., Pardo, J.S., Piorkowski, R.L. & Rubin, P.E. (2000). The auditory fate of F2 in the perception of speech. 41st Annual Meeting of the Psychonomic Society, November 16-19, 2000, New Orleans, Louisiana.
- Remez, R.E., Pardo, J.S. & Rubin, P.E. (1999). On the bistability of sinewave replicas of speech. Empire State Speech Research Conference, Binghamton, New York, June 28, 1999.
- Remez, R.E., Van Dyk, J.L., Fellowes, J.M. & Rubin, P.E. (1998). On the perception of qualitative and phonetic similarities of voices. Sixteenth International Congress on Acoustics and One-hundred and thirty-fifth meeting of the Acoustical Society of America, June 25, 1998. Seattle, Washington.
- Rubin, P., & Vatikiotis-Bateson, E. (1998). Talking heads. *International Conference on Auditory-Visual Speech Processing - AVSP '98*, Terrigal, Australia, 4-7 Dec. 1998.
- Yehia, H.C., Rubin, P.E. & Vatikiotis-Bateson, E. (1997). Quantitative association of vocal-tract and facial behavior. AVSP '97, Rhodes, Greece, 26-27 Sep. 1997.
- Vatikiotis-Bateson, E., Tiede, M. K., Rubin, P. & Benoît, C. (1997). Visualization of speech production: For better and for worse. ASVA 97, International Symposium on Simulation, Visualization and Auralization for Acoustic Research and Education, Tokyo, Japan, April 2-4, 1997.
- Rubin, P. (1996). Participant, ATR Workshop on Issues in Temporal Organization for Speech. Turtle Bay Hilton, Oahu, Hawaii, December 7-9, 1996.



- Remez, R.E., Fellowes, J.M. & Rubin, P.E. (1996). Phonetic sensitivity and individual recognition: Notes on system architecture. Symposium on Speaker Characteristics: Effects of Gestural Variability on Speech Perception. Third Joint Meeting, Acoustical Societies of America and Japan, Honolulu, Hawaii, December 2, 1996.
- Rubin, P. (1995). Participant, Eighth International Conference on Perception and Action, Marseilles, France, July 14, 1995.
- Remez, R.E., Fellowes, J.M. & Rubin, P.E. (1996). Perceiving the sex and identity of a sinewave talker. One hundred and thirty-first Meeting of the Acoustical Society of America, Indianapolis, Indiana, May 17, 1996.
- Remez, R.E., Fellowes, J.M. & Rubin, P.E. (1995). Perceiving the sex of a talker without natural vocal timbre. Thirty-sixth Annual Meeting of the Psychonomic Society, Los Angeles, California, November 10, 1995.
- Remez, R.E., Fellowes, J.M., Blumenthal, E.Y. & Rubin, P.E. (1994). Analysis and analogy in the perception of vowels. Thirty-fifth Annual Meeting of the Psychonomic Society, Saint Louis, Missouri, November 12, 1994.
- Remez, R.E., Fellowes, J.M., Pardo, J.S. & Rubin, P.E. (1993). Voice recognition based on phonetic information. Thirty-fourth Annual Meeting of the Psychonomic Society, Washington, D.C., November 7, 1993.
- Remez, R.E., Rubin, P.E., Pardo, J.S., Fellowes, J.M., Blumenthal, E.Y., Warren, D.A. & Schanzer, B.M. (1993). On the distinctive pitch of vowels: Perceptual prototypes for sinewave analogs? One-hundred and twenty-fifth Meeting of the Acoustical Society of America, Ottawa, Ontario, Canada, May 21, 1993.
- Remez, R.E., Pardo, J.S. & Rubin, P.E. (1993). Perceptual organization of speech signals: Clues from studies of sinewave replicas of utterances. One-hundred and twenty-fifth Meeting of the Acoustical Society of America, Ottawa, Ontario, Canada, May 18, 1993.
- Remez, R.E., Pardo, J.S. & Rubin, P.E. (1992). On the independence of phonetic and auditory perception. Thirty-third Annual Meeting of the Psychonomic Society, Saint Louis, Missouri, November 13, 1992.
- Remez, R.E., Pardo, J.S. & Rubin, P.E. (1991). Making the (auditory) scene with speech. Thirty-second Annual Meeting of the Psychonomic Society, San Francisco, California, November 22, 1991.
- Remez, R.E., Berns, S.M. & Rubin, P.E. (1990). Principles of auditory perceptual organization vs. the speech signal. Thirty-first Annual Meeting of the Psychonomic Society, New Orleans, Louisiana, November 18, 1990.
- Remez, R.E. & Rubin, P.E. (1989). Do the laws of form apply to speech signals? Thirtieth Annual Meeting of the Psychonomic Society, Atlanta, Georgia, November 17, 1989.
- Remez, R.E. & Rubin, P.E. (1988). On the acoustic basis for perceiving syllables. Twenty-ninth Annual Meeting of the Psychonomic Society, Chicago, Illinois, November 11, 1988.
- Remez, R.E., Bressel, R.S., Rubin, P.E. & Ren, N. (1987). Perceptual differentiation of spontaneous and read utterances after resynthesis with monotone fundamental frequency. One-hundred-thirteenth meeting of the Acoustical Society of America, Indianapolis, Indiana, May 12, 1987.

- Remez, R.E., Nygaard, L.C. & Rubin, P.E. (1986). On vowel-like sounds produced by Newton's flagon. Twenty-seventh Annual Meeting of the Psychonomic Society, New Orleans, Louisiana, November 14, 1986.
- Remez, R.E., Nygaard, L.C. & Rubin, P.E. (1986). On spontaneous speech and fluently spoken text: Production differences and perceptual distinctions. One-hundred-eleventh Meeting of the Acoustical Society of America, Cleveland, Ohio, May 16, 1986.
- Remez, R.E., Rubin, P.E., Katz, M. & Dodelson, S. (1985). On the influence of lexical status in phonetic perception. Twenty-sixth Annual Meeting of the Psychonomic Society, Boston, Massachusetts, November 23, 1985.
- Remez, R.E., Rubin, P.E. & Ball, S.A. (1985). Sentence intonation in spontaneous utterances and fluently spoken text. One-hundred-ninth Meeting of the Acoustical Society of America, Austin, Texas, April 10, 1985. (coauthors: P. E. Rubin & S. A. Ball)
- Remez, R.E., Rubin, P.E., Howell, W.A. & Lau, N. (1985). Perceptual normalization of sinusoidal voices. Twenty-fifth Annual Meeting of the Psychonomic Society, San Antonio, Texas, April 10, 1985. (coauthor: P. E. Rubin, W. A. Howell, & N. Lau)
- Remez, R.E. & Rubin, P.E. (1984). On the perception of intonation from sinusoidal signals. One-hundred-seventh Meeting of the Acoustical Society of America, Norfolk, Virginia, May 8, 1984.
- Remez, R.E. & Rubin, P.E. (1983). Like a phonetic MTF. Twenty-fourth Annual Meeting of the Psychonomic Society, San Diego, California, November 14, 1983.
- Remez, R.E. & Rubin, P.E. (1983). A phonetic band? One-hundred-fifth Meeting of the Acoustical Society of America, Cincinnati, Ohio, May 10, 1983.
- Remez, R. E. & Rubin, P.E. (1983). Speech Research: Something Old, Something New. Second Annual Meeting, *International Society of Ecological Psychology*, October 29, 1983.
- Remez, R.E. & Rubin, P.E. (1982). Perception of voice pitch in sinusoidal imitations of speech. One-hundred-third Meeting of the Acoustical Society of America, Chicago, Illinois, April 29, 1982.
- Rubin, P. (1982). Participant, New York Academy of Sciences, *International Conference on Cochlear Implantation*, New York, New York, April 10-16, 1982. (coauthors: R. E. Remez & D. B. Pisoni)
- Remez, R. E. & Rubin, P.E. (1981). Phonetic perception of sinusoidal signals: Effects of temporal variation. Twenty-second Annual Meeting of the Psychonomic Society, Philadelphia, Pennsylvania, November 12, 1981.
- Remez, R.E., Rubin, P.E. & Carrell, T.D. (1981). Phonetic perception of sinusoidal signals: Effects of amplitude variation. One-hundred-first Meeting of the Acoustical Society of America, Ottawa, Ontario, Canada, May 22, 1981.
- Remez, R.E., Rubin, P.E., Pisoni, D.B. & Carrell, T.D. (1980). Speech perception without traditional speech cues. Twenty-first Annual Meeting of the Psychonomic Society, St. Louis, Missouri, November 14, 1980.

## National Academies / National Research Council reports:

The following is a partial list of reports that were released under the supervision of the National Academies' National Research Council Board on Behavioral, Cognitive, and Sensory Sciences (BBCSS) that I chaired.

National Research Council. (2008). *Behavioral Modeling and Simulation: From Individuals to Societies*. Committee on Organizational Modeling: From Individuals to Societies. Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education. Washington, D.C.: National Academies Press.

National Research Council. (2008). *Emerging Cognitive Neuroscience and Related Technologies*. Committee on Military and Intelligence Methodology for Emergent Neurophysiological and Cognitive/Neural Science Research in the Next Two Decades. Standing Committee for Technology Insight – Gauge, Evaluate, and Review Division on Engineering and Physical Sciences. Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education. Washington, D.C.: National Academies Press.

National Research Council. (2008). *Human Behavior in Military Contexts*. Committee on Opportunities in Basic Research in the Behavioral and Social Sciences for the U.S. Military. Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education. Washington, D.C.: National Academies Press.

National Research Council. (2010). *Field Evaluation in the Intelligence and Counterintelligence Context*. Workshop Summary. Planning Committee on Field Evaluation of Behavioral and Cognitive Sciences-Based Methods and Tools for Intelligence and Counterintelligence. Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education. Washington, D.C.: National Academies Press.

National Research Council. (2011). *Intelligence Analysis: Behavioral and Social Scientific Foundations*. Committee on Behavioral and Social Science Research to Improve Intelligence Analysis for National Security. Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education. Washington, D.C.: National Academies Press.

National Research Council. (2011). *Intelligence Analysis for Tomorrow: Advances from the Behavioral and Social Sciences*. Committee on Behavioral and Social Science Research to Improve Intelligence Analysis for National Security. Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education. Washington, D.C.: National Academies Press.

National Research Council. (2011). *Threatening Communications and Behavior: Perspectives on the Pursuit of Public Figures*. Board on Behavioral, Cognitive, and Sensory Sciences, Division of Behavioral and Social Sciences and Education. Washington, D.C.: National Academies Press.

## American Academy of Arts & Sciences reports:

The following are reports that were released by the American Academy of Arts & Sciences that Rubin contributed to as a member of the group that drafted the report.

American Academy of Arts & Sciences. (2016). *The State of Languages in the U.S.: A Statistical Portrait. A Report from the Commission on Language Learning*. American Academy of Arts & Sciences, Cambridge, MA. Dec. 2016.

American Academy of Arts & Sciences. (2017). *America's Languages: Investing in Language Education for the 21<sup>st</sup> Century. A Report from the Commission on Language Learning*. American Academy of Arts & Sciences, Cambridge, MA. Feb. 2017.

American Academy of Arts & Sciences. (2020). *America and the International Future of Science. A Report from the Challenges for International Scientific Partners Initiative*. American Academy of Arts & Sciences, Cambridge, MA. Dec. 2020. ISBN 0-87724-137-6.

American Academy of Arts & Sciences. (2021). *Bold Ambition: International Large-Scale Science. A Report from the Challenges for International Scientific Partners Initiative*. American Academy of Arts & Sciences, Cambridge, MA.

American Academy of Arts & Sciences. (2022). *Global Collections: Emerging Science Partners. A Report from the Challenges for International Scientific Partners Initiative*. American Academy of Arts & Sciences, Cambridge, MA.