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EDUCATION

A.B. in Psychology with honors and highest university distinction, 1992, Stanford University, Stanford, CA.

M.S. in Psychology, 1993, University of Oregon, Eugene, OR

Ph.D. in Psychology, 1996, University of Oregon, Eugene, OR

Additional coursework at M.I.T., UC Berkeley, Wellesley College, Berklee College of Music, and California State University Fresno.

CURRENT POSITION:

Professor and James McGill Chair in Psychology, Department of Psychology, McGill University.
Associate Member, School of Computer Science, Schulich School of Music, Faculty of Education.

HISTORY OF ACADEMIC POSITIONS:

Primary appointments:

Professor, McGill University, 2010 - present

James McGill Chair, McGill University, 2007 - present

Associate Professor, McGill University, 2004 - 2010

Assistant Professor, Department of Psychology, McGill University, 2000 - 2004

Visiting Assistant Professor, Departments of Psychology and Cognitive Science, University of California, Berkeley, 1999 - 2000

Lecturer, Department of Psychology, Stanford University, 1998

Lecturer, Department of Computer Science, Stanford University, 1998

Post-Doctoral Fellow, School of Medicine, Stanford University, 1998 - 2000

Post-Doctoral Fellow, Interval Research Corporation, 1996 - 1998

Lecturer, Department of Music, Stanford University, 1994 - 2000 (Instructor, 1992 - 1993)

Secondary appointments:

Lokey Visiting Professor of Human Biology, Stanford University, Winter Quarter, 2009

Associate Member (Professeur associé), Department of Psychology, University of Quebec at Montreal (UQAM), 2006 - present

Associate Member, School of Computer Science, McGill University, 2006 - present

Associate Member, Department of Education Counseling Psychology, McGill University, 2006 - present

Associate Member, Department of Integrated Studies in Education, McGill University, 2006 - present

Visiting Assistant Professor, Departments of Psychology and Music, Dartmouth College, Fall semester, 2003

Associate Member, Schulich School of Music and Department of Music Theory, (Sound Recording and Music Technology), McGill University, 2000 - present
Founding member, Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT), McGill University, 2000 - present
Associate member, School of the Environment, McGill University, 2000 - present
Visiting Scholar, Center for Computer Research in Music and Acoustics, Stanford University, 1996 - 2000
Instructor, Department of Psychology, University of Oregon, 1995
Instructor, Department of Anthropology, Stanford University, 1994
Instructor, Program in Values, Technology and Society, Stanford University, 1991

AWARDS AND HONORS

Cine Special Jury Prize for Arts & Culture, *The Music Instinct* (Daniel Levitin, co-host, co-writer and Chief Scientific Consultant), 2010, Washington, D.C.
Banff World Television Festival, Rockie Award Nominee, *The Music Instinct* (Daniel Levitin, co-host, co-writer and Chief scientific Consultant), 2010.
First place, Pariscience Film Festival, *The Music Instinct* (Daniel Levitin, co-host, co-writer and Chief scientific Consultant), 2009.
Elected Honorary Member, Golden Key International Honour Society, 2009.
Elected Honorary Member, McGill Alumni Association, for exemplary service, 2009.
Finalist, Gemini Award, Best Science/Technology, Nature, Environment or Adventure Documentary, *The Musical Brain* (Daniel Levitin, Host and Scientific Consultant), 2009.
Winner, Gemini Award, Best Sound in an Information/Documentary Program or Series, *The Musical Brain* (Daniel Levitin, Host and Scientific Consultant), 2009.
Finalist, World Technology Awards, Entertainment category (for *This Is Your Brain On Music*), 2009.
Hugo Television Award, Science/Nature Documentary, 45th Chicago International Film Festival, *The Musical Brain* (Daniel Levitin, Host and Scientific Consultant), 2009.
Resident Scholar, Institute for Science, Engineering and Public Policy, Portland, Oregon, 2008.
Resident Scholar, College of Health and Human Services, Western Michigan University, Kalamazoo, Michigan, 2008.
European Acoustics Association (EAA) Award for Outstanding Scientific Results Published in *Acta Acustica United With Acustica* (with co-recipients C. Guastavino, J-D Pollack, D. Dubois and B. Katz), 2008.
Finalist, Quill Awards, Best Debut Author (for *This Is Your Brain On Music*), 2007.
Finalist, Los Angeles Times Book Prize, Book of the Year (Science & Technology, for *This Is Your Brain On Music*), 2007.
James McGill Professor of Psychology, McGill University, 2007.
Visiting Scholar, Child Development & Rehabilitation Center, Oregon Health Sciences University, Portland, OR, 2007.
Principal's Prize for Excellence in Teaching, McGill University. (One of four awarded each year, one per academic rank), 2006.
Fellow, Center for Interuniversity Research and Analysis on Organizations (CIRANO), Montréal, Québec, 2003-2006.
Bell Chair in the Psychology of Electronic Communication, 2002-2007.
Canadian Science Writer's Association Award, Science in Society First place, Television News or Magazine Items, Less Than 15 Minutes, for "Williams Syndrome," Discovery Channel Canada - @discovery.ca, April 16, 2001. (Award to Producer, Karen McCairley), 2002.

FCAR/FQRNT Strategic Professor Chair in Psychology, 2000-2005.
Top 100 Papers in Cognitive Science, by The Millennium Project, for "Absolute Memory for Musical Pitch," Levitin, D. J., *Perception & Psychophysics*, 2000.
Best paper award, "The perception of cross-modal simultaneity." International Conference on Computing and Anticipatory Systems, Liège, Belgium, 1999.
Best paper award, "Absolute Pitch: Self-reference and human memory." International Conference on Computing and Anticipatory Systems, Liege, Belgium, 1998.
National Academy of Sciences/National Science Foundation Young Psychologists Award, 1996.
Air Force Office of Scientific Research (AFOSR) and Office of Naval Research (ONR) Graduate Research Fellowship, 1992-1995.
National Science Foundation Graduate Research Fellowship (declined), 1992-1995.
National Science Foundation Supercomputing Prize, 1992.

PRINCIPAL RESEARCH INTERESTS

Structure and formation of auditory objects; auditory pattern processing; music cognition.

TEACHING EXPERIENCE

At McGill University – Primary Instructor

2000-2007 Psychology 213, Cognition, 528 - 700 students
2000-2001 Psychology 450D, Seminar in Experimental Problems, 20 students
2001-2002 Psychology 741B, Graduate Seminar in Music Cognition (co-taught), 35 students
2002-2003 Psychology 482, Advanced Honors Seminar, 40 students
2004-2005 Psychology 483, Advanced Honors Seminar: Topics in Scientific Reasoning and Epistemology, 12 students
2007-2008 Psychology 714, Graduate Seminar in Autism (co-taught), 10 students
2007-2008 Music Theory 475, Philosophy and Aesthetics of Music Production (co-taught), 25 students
2008-2009 Psychology 660, Psychological Theory, (co-taught), 20 students
2010-2011 Psychology 660, Psychological Theory, (co-taught), 20 students
2009→ Psychology 100, Introduction to Psychology, 680 students
2009→ Psychology 380D, Honours Seminar, 14 students
2009-2010 Psychology 741, Graduate Seminar in Scientific Writing, 10 students

At McGill University – Guest Lecturer

2000-2001 Electrical & Computer Engineering 424 and 683, Human-Computer Interaction, 40 students
2002-2003 Psychology 660, Psychological Theory, 20 students
2001-2002 Electrical & Computer Engineering 424 and 683, Human-Computer Interaction, 40 students
2001-2002 Music Theory 611B, Human-Computer Interaction: Real-time gestural control of computer music, 20 students
2001-2002 Religious Studies 336T, Contemporary Theological Issues: The soul and soul music, 60 students
2002-2003 Psychology 532, Cognitive Science, 75 students
2002-2003 Psychology 660, Psychological Theory, 20 students
2002-2003 Psychology 741, Behavioral Decision Theory, 10 students

2002-2003	Management/Marketing 703, Advanced Topics in Integrative Management in Services and e-services, 20 students
2002-2003	Religious Studies 336T, Contemporary Theological Issues–The soul and soul music, 60 students
2002-2003	Electrical & Computer Engineering 424 and 683, Human-Computer Interaction, 40 students
2003-2004	Psychology 451, Human Factors Research and Techniques, 35 students
2003-2004	Psychology 529, Music Cognition, 50 students
2003-2004	Electrical & Computer Engineering 424 and 683, Human-Computer Interaction, 25 students
2003-2004	Management/Marketing 703, Advanced Topics in Integrative Management in Services and e-services, 20 students
2003-2004	Music Theory 475, Introduction to Scientific Research in Music, 8 students
2003-2004	Religious Studies 336T, Contemporary Theological Issues–The soul and soul music, 50 students
2004-2005	Electrical & Computer Engineering 424 and 683, Human-Computer Interaction, 40 students
2004-2005	Environment 580, Civilization and Environment, 12 students.
2004-2005	Religious Studies 336T, Contemporary Theological Issues: The soul and soul music, 50 students
2005-2006	Psychology 304, Child Development, 150 students
2005-2006	Psychology 510 and 750, The Statistical Analysis of Tests and Scales, 15 students
2005-2006	Psychology 660, Psychological Theory, 20 students
2005-2006	Faculty of Education, Library and Information Sciences 692, Database Design and Development, 10 students
2006-2007	Psychology 317, Genes and Behavior, 120 students
2006-2007	Psychology 660, Psychological Theory, 20 students
2006-2007	Faculty of Management, Business Administration 691, Entrepreneurial Leadership, 25 students
2006-2007	Faculty of Management, Business Administration 692, Special Topics in Management (2 lectures), 100 students
2006-2007	Computer Science 280, History and Philosophy of Computing, 35 students
2007-2008	Psychology 515, The Genetics of Pain, 50 students
2007-2008	B.A. & Sc. 201, Integrative Topics in Arts and Science, 120 students
2007-2011	Faculty of Management, Business Administration 691, Leadership in the Broader Context (4 lectures), Desautel Faculty of Management, 150 students
2008-2009	Music Theory 475, The Future of Music, 50 students
2008→	Neurosciences 300, Neuroethics (2 lectures), 200 students
2008-2009	Psychology 748, Advanced Topics in Statistics, 8 students
2009-2010	Psychology 317, Genes and Behavior, 120 students
2010-2011	Psychology 660 Experimental Theory, 20 students
2011-2012	Neurosciences 300, Ethical Issues in Experimental Psychology 75 students
2011-2012	Music Professional Development 136, Schulich School of Music, 160 students
2011-2012	Psychology 317, Genes and Behaviour, 250 students

At Stanford University – Primary Instructor:

- 1990-1991 Values, Technology, Science and Society 165, Technology and Musical Aesthetics (co-taught), 30 students
 1990-1991 Music 242, Aesthetic Issues in the Creation of Popular Music, 60 students
 1993-1994 Anthropology 199 (co-taught), Group Communication and Music, 25 students
 1996-1997 Music 192D, Creative Processes in Popular Music Recording (co-taught), 15 students
 1997-1998 Music 192E, Workshop in Arranging (co-taught), 10 students
 1998-1999 Computer Science 246, Principles of Cognitive Science for Human-Computer Interaction (co-taught), 35 students
 1998-1999 Psychology 128, Auditory Perception, 10 students
 1998-1999 Continuing Studies Program, Psychology 115, Judgment and Decision Making, 25 students
 2008-2009 Human Biology 188, Biology, Psychology, and the Evolution of Human Music, 50 students

At Stanford University – Guest Lecturer:

- 1990-1991 Music 192A, Principles of Digital and Analog Recording, 25 students
 1991-1992 Music 192B, Principles of Digital and Analog Recording, 25 students
 1993-1994 Music 192A, Principles of Digital and Analog Recording, 25 students
 1993-1994 Psychology 242/Music 151, Psychophysics and Cognitive Psychology for Musicians, 30 students
 1994-1995 Psychology 242/Music 151, Psychophysics and Cognitive Psychology for Musicians, 30 students
 2003-2004 Psychology 242/Music 151, Psychophysics and Cognitive Psychology for Musicians, 25 students
 2003-2004 Music 192, Advanced Principles of Digital Audio, 20 students
 2008-2009 Human Biology 3B, Behavior, Health and Development, 90 students

Other:

- 1993-1994 *New Mexico State University at Las Cruces:* Psychology 447, Human Factors (guest), 25 students
 1994-1995 *University of Oregon:* Psychology 435, Cognitive Psychology (primary instructor), 40 students
 1994-1995 *University of Oregon:* Psychology 433, Psychological Assessment (guest), 55 students
 1995-1996 *University of Oregon:* Psychology 433, Psychological Assessment (guest), 55 students
 1997-1998 *University of California at Berkeley:* Linguistics 290B, Semantics (guest), 50 students
 1998-1999 *University of California at Berkeley:* Psychology 120B/Cognitive Science 100, Basic Issues in Cognitive Science (guest), 200 students
 1999-2000 *University of California at Berkeley:* Psychology 120B/Cognitive Science 100, Basic Issues in Cognitive Science (primary instructor), 200 students
 2003-2004 *Dartmouth College:* Music 101, Music Cognition (guest), 10 students
 2004-2005 *University of Toronto at Mississauga:* Communications, Culture, and Technology 371, Musical Creativity (guest), 40 students
 2009-2010 *University of California at Berkeley:* Music 108/208, Music Perception and Cognition (guest), 60 students

GRANTS

Summary: Awarded \$4 million as PI at McGill (\$1 million for equipment and infrastructure, \$2.3 million in operating funds,) plus salary awards of \$700,000 and participation in team grants worth a total of \$9 million. Values below are total direct costs per annum (p.a.)

- 2011 - 2012 Levitin, D. J. (PI). *The social psychology of musical engagement*. SSHRC, \$75,000, 1 year. Grant #43020110359
- 2010 - 2015 Levitin, D. J. (PI). *The cognitive origins of musical communication*. NSERC, Discovery Grant. \$49,000 p.a., 5 years (renewable). Grant #228175-10.
- 2010 - 2011 Levitin D. J. (PI). *Public outreach for research in the psychology of music*. SSHRC, Public Outreach Grant. \$49,990, 1 year. Grant #608-209-0003.
- 2010 - 2011 Levitin, D. J. (PI). *The cognitive plasticity of melody recognition: Towards organizing musical information to make it universally accessible and useful*. Google, Faculty Research Award. \$77,000, 1 year.
- 2010-2011 Levitin, D. J. (PI). *Loudspeakers for critical listening experiments*. NSERC, Research Tools & Instruments Grant. \$26,383, 1 year. Grant # EQPEQ 390095.
- 2009 - 2010 Levitin, D. J. (PI). *The cognitive origins of musical communication*. NSERC, Discovery Grant. \$36,000, 1 year (renewable). Grant #228175-09.
- 2008 - present Levitin, D. J. (PI). *The social neuroscience of music*. J. & E. Gareau Foundation, Unrestricted Gift. \$25,000 p.a., perpetual.
- 2008 - 2010 Levitin, D. J. (PI). *Music information retrieval*. Signal Patterns, Inc., Training Grant. \$20,000, 1 year.
- 2008 - 2010 Levitin, D. J. (PI). *Subjective evaluation of audio quality: Differences among common digital formats*. Grammy Foundation, Research Grant. \$50,000, 1 year.
- 2008 Tyler, C., Likova, L, & Levitin, D. J. (Co-PIs). *Arts, cognition and learning*. NSF, Symposium Grant. \$54,000, 1 year. Grant #0824762.
- 2007 - 2014 Levitin, D. J. (PI). *Music cognition, perception and expertise*. James McGill Chair Operating Grant. \$15,000 p.a., 7 years (renewable). Grant #100981.
- 2007 - 2014 Levitin, D. J. (PI). *Music cognition, perception and expertise*. James McGill Chair Salary Award. \$10,000 p.a., 7 years (renewable).
- 2006 Levitin, D. J. (PI). *Auditory pattern perception in Williams Syndrome*. McGill University Internal SSHRC Seed Competition. \$5000, 1 year. Grant #211417.
- 2006 Rogers, S. E. and Levitin, D. J. (PI). *Absolute memory for musical intervals*. McGill University Internal SSHRC Seed Competition. \$2900, 1 year. Grant #210782.
- 2005 - 2008 Menon, V., & Levitin, D. J. (Co-PIs). *Neural basis of processing temporal structure in music*. NSF, Research Grant. \$60,000 p.a., 3 years. Grant #16615650-30523-A.
- 2005 - 2007 Levitin, D. J. (PI). *Quantifying the extent of emotional processing in autism: Converging evidence from music processing and central coherence theory*. National Alliance for Autism Research (NAAR; now Autism Speaks), Research Grant. \$48,333 p.a., 3 years. Grant #1066/DL/01-201-005-001-00-00.
- 2004 - 2009 Levitin, D. J. (PI). *Auditory pattern perception and memory*. NSERC, Research Grant. \$16,675 p.a., 5 years. Grant #228175-04.
- 2004 - 2005 Levitin, D. J. (PI). *Cognitive and perceptual factors underlying absolute pitch*. Berklee College of Music Alumni Research Grant. \$12,000, 1 year.
- 2004 - 2005 Levitin, D. J. (PI), Bengio, Y., & Eck, D. *A new architecture for recommending music to consumers: Applications of statistical machine learning and cognitive science*. NSERC, I2I (Idea to Innovation) Research Grant. \$125,000, 1 year. Grant #I2ipj 307901-04.
- 2004 - 2005 Levitin, D. J. (PI). *Using real-time, interactive multimedia content to enhance learning of fundamental concepts in cognitive science*. McGill University Tomlinson Award, Teaching and Learning Improvement Fund (TALIF), Course Development Grant. \$10,000, 1 year. Grant #206809.
- 2003 - 2006 Levitin, D. J. (PI). *The psychology of musical abilities in individuals with Williams Syndrome*. SSHRC, Research Grant. \$46,666 p.a., 3 years. Grant #410-2003-1255.

- 2003 - 2006 Woszczyk, W., Atalla, N., Berry, A., Bregman, A., Charron, F., Cooperstock, J., Cossette, I., Depalle, P., Fujinaga, I., Hayward, V., Klepko, J., Levitin, D. J., Masson, P., Micheau, P., Paillard, B., Panneton, R., Peretz, I., Piché, J., Quesnel, R., Roston, J., Wanderley, M., & Zatorre, R. *Pour le recherche interdisciplinaire en musique, media et technologie*. FQRSC, Research Grant. \$200,000 p.a., 3 years.
- 2002 - 2005 Woszczyk, W. (PI), Cooperstock, J., Hayward, V., Levitin, D. J., Zatorre, R., Roston, J., Berry, A., Paillard, B., Atalla, N., Champoux, Y., Charron, F., Masson, P., Micheau, P., Panneton, R., Peretz, I., Robin, M., & Bregman, A. S. *Real time communication of high-resolution multi-sensory content via broadband networks*. VRQ, Operating Grant. \$733,333 p.a., 3 years (Levitin module was \$166,666 p.a.). Grant #2202-202.
- 2002 - 2007 Levitin, D. J. (PI). *The psychology of electronic communications*. Bell Canada Enterprises Chair, Salary Award. \$60,000 p.a., 5 years.
- 2002 - 2007 Levitin, D. J. (PI). *The psychology of electronic communications*. Bell Canada Enterprises Chair, Research Award. \$40,000 p.a., 5 years.
- 2001 Levitin, D. J. (PI). *Establishment of the McGill Laboratory for Music Perception, Cognition and Expertise*. VRQ, Demmarage Grant. \$10,000, 1 year. Grant #2719.
- 2001 - 2006 Bellugi, U. (PI), Reiss, A., Wang, P. & Korenberg, J., including Levitin D. J. (consultant). *Williams Syndrome: Bridging cognition and genes*. NIH, Program Project Grant. \$1,000,000 p.a., 5 years.
- 2000 - 2005 Levitin, D. J. (PI). *Structure and formation of auditory objects*. FCAR/FQRNT, Strategic Professor Salary Award. \$50,000 p.a., 5 years.
- 2000 - 2004 Levitin, D. J. (PI). *Structure and formation of auditory objects*. FCAR, Research Grant. \$15,000 p.a., 4 years. Grant #2001SC70936.
- 2000 - 2004 Levitin, D. J. (PI). *Structure and formation of mental representations*. NSERC, Research Grant. \$14,000 p.a., 4 years. Grant #228175-00.
- 2000 Woszczyk, W. (PI), Cooperstock, J., Levitin, D. J., Zatorre, R., Roston, J., Berry, A., & Peretz, I. *Centre for Interdisciplinary Research in Music, Media, and Technology (CIRMMT)*. CFI, Research Infrastructure/Equipment Grant. \$6,500,000 (Levitin module was \$500,000).
- 2000 - 2001 Levitin, D. J. (PI). *Computers/laboratory equipment for studying mental representations, music cognition and memory*. NSERC, Equipment Grant. \$32,000. Grant #Eqpeq 230059-00.
- 2000 Levitin, D. J. (PI). *Research and training centre for behavioural and brain studies of the auditory, cognitive, and performance processes related to music and expertise*. CFI, New Opportunities Infrastructure/Equipment Grant. \$400,000. Grant #2719.
- 2000 - 2001 Levitin, D. J. (PI). *The social psychology of musical ability in individuals with Williams Syndrome*. McGill University Internal SSHRC Seed Competition, \$7,500.
- 2000 - 2001 Levitin, D. J. (PI). McGill University Start-Up Funds. \$180,000.
- 1999 - 2005 Levitin, D. J. (PI). AKG Acoustics, Inc., Equipment Grant. \$3000.
- 1999 Levitin, D. J. (PI). Shure Brothers, Inc., Equipment Grant. \$3000.
- 1996 - 2006 Levitin, D. J. (PI). Westlake Audio Corporation, Equipment Grants. \$15,000.
- 1996 - 2005 Levitin, D. J. (PI). Miller & Kreisel Sound Corporation. \$4400.
- 1996 Levitin, D. J. (PI). Mackie Designs, Inc. \$1200.

RESEARCH PUBLICATIONS (* = student and trainee authors)**Peer-Reviewed Journal Articles:**

- *Tirovolas, A. K., & Levitin, D. J. (in press). Music perception and cognition research from 1983 to 2010: A categorical and bibliometric analysis of empirical articles in *Music Perception*. *Music Perception*. (Accepted June 25, 2011).
- *Quintin, E.-M., *Bhatara, A., Poissant, H., Fombonne, E., & Levitin, D. J. (in press). Emotion perception in music in high-functioning adolescents with Autism Spectrum Disorders. *Journal of Autism and Developmental Disorders*. (Accepted November 11, 2010). doi: 10.1007/s10803-010-1146-0
- *Abrams, D., *Bhatara, A., *Ryali, S., Balaban, E., Levitin, D. J., & Menon, V. (2011). Decoding temporal structure in music and speech relies on shared brain resources but elicits different fine-scale spatial patterns. *Cerebral Cortex*, 21(7), 1507-1518. doi:10.1093/cercor/bhq198
- *Bhatara, A., *Tirovolas, A. K., *Duan, L. M., *Levy, B., & Levitin, D. J. (2011). Perception of emotional expression in musical performance. *Journal of Experimental Psychology: Human Perception and Performance*, 37(3), 921-934. doi: 10.1037/a0021922
- *LaCroix-Fralish, M. L., *Austin, J. -S., *Zheng, F. Y., Levitin, D. J., & Mogil, J. S. (2011). Patterns of pain: Meta-analysis of microarray studies of pain. *Pain*, 152, 1888-1898. doi: 10.1016/j.pain.2011.04.014
- Rentfrow, P. J., Goldberg, L. R., & Levitin, D. J. (2011). The structure of music preferences: A five factor model. *Journal of Personality and Social Psychology*, 100(6), 1139-1157. doi: 10.1037/a0022406
- *Vines, B. W., Krumhansl, C. L., Wanderley, M. M., *Dalca, I., & Levitin, D. J. (2011) Music to my eyes: Cross-modal interactions in the perception of emotions in musical performance. *Cognition*, 118, 157-170. doi: 10.1016/j.cognition.2010.11.010
- *Bhatara, A. K., *Quintin, E.-M., *Levy, B., Bellugi, U., Fombonne, E., & Levitin, D. J. (2010). Perception of emotion in musical performance in adolescents with Autism Spectrum Disorders. *Autism Research*, 3, 214-225. doi: 10.1002/aur.147
- Levitin, D. J. (2010). My first science fair. *Perspectives on Psychological Science*, 5(6), 628-631. doi: 10.1177/1745691610388756
- Levitin, D. J. (2010). Why music moves us. *Nature*, 464, 834-835. doi: doi:10.1038/464834a
- *Bhatara, A. K., *Quintin, E.-M., Heaton, P., Fombonne, E., & Levitin, D. J. (2009). The effects of music on social attribution in adolescents with Autism Spectrum Disorders. *Child Neuropsychology*, 15(4), 375-396. doi: 10.1080/09297040802603653

- *Marshal, M. T., *Hartshorn, M., Wanderley, M. M., & Levitin, D. J. (2009). Sensor choice for parameter modulations in digital musical instruments: Empirical evidence from pitch modulation. *Journal of New Music Research*, 38(3), 241-253. doi: 10.1080/09298210903085865
- Levitin, D. J. (2009). The neural correlates of temporal structure in music. *Music and Medicine*, 1, 9-13. doi: 10.1177/1943862109338604
- Levitin, D. J., & *Tirovolas, A. K. (2009). Current advances in the cognitive neuroscience of music. *The Year in Cognitive Neuroscience 2009: Annals of the New York Academy of Sciences*, 1156, 211-231. doi: 10.1111/j.1749-6632.2009.04417.x
- *Chapados, C., & Levitin, D. J. (2008). Cross-modal interactions in the experience of musical performances: physiological correlates. *Cognition*, 108, 639-651. doi: 10.1016/j.cognition.2008.05.008
- *Klemp, N., McDermott, R., *Raley, J., *Thibeault, M., *Powell, K., & Levitin, D. J. (2008). Plans, takes, and *mis-takes*. *Critical Social Studies*, 1, 4-18.
- *Koulis, T., Ramsay, J. O., & Levitin, D. J. (2008). From zero to sixty: Calibrating real-time responses. *Psychometrika*, 73(2), 321-339. doi: 10.1007/s11336-007-9032-1
- *Sridharan, D., Levitin, D. J., & Menon, V. (2008). A critical role for the right fronto-insular cortex in switching between executive-control and default-mode networks. *Proceedings of the National Academy of Sciences*, 105(34), 12569-12574. doi: 10.1073/pnas.0800005105
- Levitin, D. J., *Nuzzo, R. L., *Vines, B. W., & Ramsay, J. O. (2007) Introduction to functional data analysis. *Canadian Psychology*, 48(3), 135-155. doi: 10.1037/cp2007014
- *Sridharan, D., Levitin, D. J., Chafe, C. H., Berger, J., & Menon, V. (2007). Neural dynamics of event segmentation in music: Converging evidence for dissociable ventral and dorsal networks. *Neuron* 55, 1-12. doi:10.1016/j.neuron.2007.07.003 (**Cover article**)
- *Langford, D. J., *Cragger, S. E., *Shehzad, Z., *Smith, S. B., *Sotocinal, S. G., *Levenstadt, J. S., *Chanda, M. L., Levitin, D. J., & Mogil, J. S. (2006). Social modulation of pain as evidence for empathy in mice. *Science*, 312, (June 30, 2006), 1967-1970. doi: 10.1126/science.1128322
- Mogil, J. S., *Ritchie, J., *Sotocinal, S. G., *Smith, S. B., *Croteau, S., Levitin, D. J., & Naumova, A.K. (2006). Screening for pain phenotypes: Analysis of three congenic mouse strains on a battery of nine nociceptive assays. *Pain*, 126, 24-34. doi: 10.1016/j.pain.2006.06.004
- *Vines, B.W., Krumhansl, C. L., Wanderley, M. M., & Levitin, D. J. (2006). Cross-modal interactions in the perception of musical performance. *Cognition*, 101, 80-113. doi: 10.1016/j.cognition.2005.09.003

- *Guastavino, C., *Katz, B., Polack, J-D., Levitin, D. J., & Dubois, D. (2005). Ecological validity of soundscape reproduction. *Acustica* (United with *Acta Acustica*), *91*(2), 333-341.
Winner of the 2008 European Acoustics Association (EAA) Award for Outstanding Scientific Results.
- Levitin, D. J. (2005). Musical behavior in a neurogenetic developmental disorder: Evidence from Williams Syndrome. *Annals of the New York Academy of Sciences*, *1060*(27), 325-334. doi: 10.1196/annals.1360.027
- Levitin, D. J., *Cole, K., Lincoln, A., & Bellugi, U. (2005). Aversion, awareness and attraction: Understanding hyperacusis in Williams Syndrome. *Journal of Child Psychiatry, Psychology and Allied Disciplines*, *46*(5), 514-523. doi: 10.1111/j.1469-7610.2004.00376.x
- Levitin, D. J., & Menon, V. (2005). The neural locus of temporal structure and expectancies in music: Evidence from functional neuroimaging at 3 Tesla. *Music Perception*, *22*(3), 563-575. doi: 10.1525/mp.2005.22.3.563
- Levitin, D. J., & Menon, V. (2005). Tutorial on fMRI methods. *Music Perception*, *22*(3), 566.
- Levitin, D. J., & *Rogers, S. E. (2005). Absolute pitch: Perception, coding, and controversies. *Trends in Cognitive Sciences*, *9*(1), 26-33. doi:10.1016/j.tics.2004.11.007
- Menon, V., & Levitin, D. J. (2005). The rewards of music listening: Response and physiological connectivity of the mesolimbic system. *NeuroImage*, *28*(1), 175-184. doi: 10.1016/j.neuroimage.2005.05.053
- *Vines, B. W., Krumhansl, C. L., Wanderley, M. M., *Dalca, I., & Levitin, D. J. (2005). Dimensions of emotion in expressive musical performance. *Annals of the New York Academy of Sciences*, *1060*(27), 462-466. doi: 10.1196/annals.1360.052
- *Vines, B. W., *Nuzzo, R. L., & Levitin, D. J. (2005). Analyzing temporal dynamics in music: Differential calculus, physics, and functional data techniques. *Music Perception*, *23*, 139-154. doi: 10.1525/mp.2005.23.2.137
- Levitin, D. J. (2004). L'oreille absolue: autoréférencement et mémoire. *L'Année Psychologique*, *104*, 103-120.
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INVITED TALKS

- Idea City, Toronto, ON. "Beethoven and your brain." With Edwin Outwater. June 16, 2011.
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- University of Oregon, Institute of Neuroscience, Eugene, OR. "On the psychophysics of musical expressivity." May 5, 2011.
- Yale University, Haskins Laboratories, New Haven, CT. "This is your brain on music." April 21, 2011.
- Auburn University, Auburn, AL, Annual Littleton-Franklin Lecture. March 9, 2011.
- Frost School of Music University of Miami, Miami, FL, Stamps Family Charitable Foundation Lecture. March 3, 2011.
- 92nd Street Y, New York, NY., Music and the Brain. "From neurons to nirvana." January 8, 2011.
- 92nd Street Y, New York, NY., Music and the Brain. "Personal stories, public performances: From the mind to the microphone." December 8, 2010.
- Michigan State University, East Lansing, MI. "The world in six songs." November 9, 2010.
- 92nd Street Y, New York, NY., Music and the Brain. "Music, inspiration and creativity: Does practice make perfect?" With Victor Wooten. November 3, 2010.
- Conrad Centre for the Performing Arts, Kitchener, ON (Canada). "Beethoven and your brain." With Edwin Outwater and the Kitchener-Waterloo Symphony Orchestra. October 28 & 29, 2010.
- Royal Conservatory of Music, Koerner Hall, Toronto, ON. "Beethoven and your brain." With Edwin Outwater and the Kitchener-Waterloo Symphony Orchestra. October 27, 2010.
- Kaneko, Omaha, NE. "Composing identity: Daniel J. Levitin and Rosanne Cash." September 15, 2010.
- University of Nebraska Medical Center, Omaha, NE, Music and Health. September 15, 2010.
- Kaneko and University of Nebraska, Omaha, NE, Workshop on Writing. September 14, 2010.
- Café Scientifique, Manila, Philippines, The Mind Museum Series. July 13, 2010.
- University of Missouri, Sixth Annual Life Science and Society Symposium, Columbia, MO, From Art to Biology and Back Again. **Keynote.** March 12, 2010.
- University of Missouri, Reynolds Journalism Institute, Columbia, MO. March 12, 2010.
- Lake Ontario Vision Establishment (L.O.V.E.), Niagara Falls, ON. "Quantifying musical emotion." February 12, 2010.
- Royal Conservatory of Music Glenn Gould Foundation, The Promise of Music Symposium, Toronto, ON. **Keynote.** October 28, 2009.
- Boston Museum of Science, Boston, MA. With Rosanne Cash. October 21, 2009.
- World Science Festival, New York, NY. With Bobby McFerrin. June 12, 2009.
- New York Academy of Sciences, New York, NY. With Rosanne Cash. April 29, 2009.
- Stanford University, Humanities Center, Evolution, Cognition & the Arts Symposium Stanford, CA. March 13, 2009.
- Stanford University School of Medicine, Stanford, CA, Neurology Grand Rounds. March 13, 2009.
- PBS, Thirteen, The Celebration of Teaching and Learning, New York, NY. March 7, 2009.
- Rubin Museum of Art, New York, NY, Brainwaves Series. With Paul Simon. March 4, 2009.
- The University of Texas at Dallas, Richardson, TX. November 21, 2008.
- The Franklin Institute, Philadelphia, PA. November 19, 2008.
- United States Library of Congress, Washington, D. C. November 18, 2008.

Human Link, Oticon Corp., Denver, CO. October 25, 2008.
Institute for Science, Engineering and Public Policy, Portland, OR, Linus Pauling Memorial Lecture. "Music and the mind: How they co-evolved." October 23, 2008.
Human Link, Oticon Corp., Atlanta, GA. October 18, 2008.
University of Wisconsin - Madison, Madison, WA. October 16, 2008.
Harmonix Music, Boston, MA. October 15, 2008.
Kenyon College, Gambier, OH. October 14, 2008.
Western Michigan University, Kalamazoo, MI. October 10, 2008.
Washington University in St. Louis, St. Louis, MO, Assembly Series. October 8, 2008.
Kitchener-Waterloo Symphony, Kitchener, ON, Pre-Concert Talk. October 3 & 4, 2008.
Amazon Corporate Headquarters, Seattle, WA. August 26, 2008.
Starbucks Corporate Headquarters, Seattle, WA. August 26, 2008.
Google Corporate Headquarters, San Francisco, CA. August 22, 2008.
Canadian Tulip Festival, Celebridée, Ottawa, ON. May 7, 2008.
10th Blue Metropolis International Literary Festival, Montreal, QC. May 3, 2008.
Princeton University, @rts, Princeton, NJ, Slash-Arts Series. April 17, 2008.
Canadian Embassy, Washington, D.C., Science and Technology Leaders Dinner Series. Hosted by Ambassador Michael Wilson. March 26, 2008.
Georgia State University, Atlanta, GA, Plummer Distinguished Lecture. March 17, 2008.
Canadian Association for the Advancement of Music & the Arts (CAAMA), Canadian Music Week, Toronto, ON. **Keynote**. March 5, 2008.
Canadian Consul General of Atlanta, Atlanta, GA, All-Canadian Gala. February 28, 2008.
Stanford University, Aurora Forum, Stanford, CA, The 40th Anniversary of the Beatles' *White Album*. February 21, 2008.
National Institute of Mental Health (NIMH), Washington, D.C., Directors' Innovation Series. January 29, 2008.
Kindermusik International, 2007 Annual Convention, Chicago IL. **Keynote**. October 18, 2007.
U.S. Department of Commerce, National Institute of Standards and Technology (NIST), Boulder, CO. October 12, 2007.
M Financial Group, Palm Beach, FL. **Keynote**. October 7, 2007.
Audio Engineering Society, 123rd AES Convention, New York, NY. **Keynote**. October 5, 2007.
Future of Music Coalition, Pop & Policy: Music Fast Forward Conference, Montreal, QC. **Keynote**. October 4, 2007.
XXI Signe and Ane Gyllenberg Symposium, Helsinki, Finland. "Music meets medicine." September 22, 2007.
Estée Lauder, Inc. Research Laboratories, New York, NY. August 28, 2007.
Chautauqua Institution, Chautauqua, NY. August 16, 2007.
Tanglewood II, Williams College, Williamstown, MA. Invited panelist, "Charting the future: Music learning for the twenty-first century. Implications of music cognition for music learning." June 25, 2007.
Idea City, Toronto, ON. June 22, 2007.
BookExpo, Toronto, ON. June 8, 2007.
Brandtrust Consumer Insight Symposium, Chicago, IL. **Keynote**. June 5, 2007.
Stanford University, 2nd Annual Conference on Music, Rhythm and the Brain, Stanford, CA. **Keynote**. May 11, 2007.
Stanford University, AES Section, Stanford, CA. "What's a producer to do? War stories from the hair decade." May 10, 2007.

- McGill University, Montreal, QC, McGill University Deans' Circle Annual Lecture. May 9, 2007.
- The New Yorker* Conference, New York, NY. "The future of music." With David Byrne. May 5, 2007.
- I Medici, Oscar Peterson Hall, Montreal, QC, Annual Science and Music Lecture. April 30, 2007.
- Canadian Consulate Residence, Los Angeles, CA. At the invitation of the Consul General. April 25, 2007.
- McGill University, Montreal, QC, Mini Science Series. "Music and the brain: The cognitive neuroscience of musical experience." April 18, 2007.
- Nova Southeastern University, Fort Lauderdale, FL. **Plenary Lecture**. March 24, 2007.
- Stanford University, Department of Psychiatry, Stanford, CA. "Music and the brain from zero to sixty: Fundamentals and flow." March 6, 2007.
- Oregon Health Sciences University, Dana Brain Awareness Week, Portland, OR. February 5, 2007.
- Oregon Alliance for the Arts, Oregon Music Educators Association, & Oregon State University, Corvallis, OR. February 4, 2007.
- Smithsonian Institute, Washington, D.C. December 5, 2006.
- McGill University, Future of Music Coalition Sixth Annual Policy Summit, Montreal, QC. Invited panelist, "What's wrong with music?" October 5, 2006.
- McGill University, Future of Music Coalition Sixth Annual Policy Summit, Montreal, QC. Invited panelist, "Recommendation engines." October 5, 2006.
- Dawson College, Montreal, QC, Special Assembly. "How psychology can bridge art and science." September 29, 2006.
- Real Networks Corporation Research Laboratory, Seattle, WA. September 13, 2006.
- Center for the Study of Modern Art at the Phillips Collection, Art & The Brain: A Symposium, Washington, D.C. September 9, 2006.
- Société des Arts Technologiques, Technology Showcase, Canadian Ministers of Culture, Montreal, QC. "Fast, cheap and out of control: The future of music and downloading." August 31, 2006.
- University of Bologna, 9th International Conference on Music Perception and Cognition, Bologna, Italy. "Memory for musical tempo: Evolutionary and neuroanatomical origins." August 22, 2006.
- University of British Columbia, School of Music, Vancouver, BC. August 17, 2006.
- Princeton University Woodrow Wilson School of Public and International Affairs, Microsoft Intellectual Property Conference, Princeton, NJ. "Compulsory licensing: A solution to multiple-rights-induced gridlock." May 19, 2006.
- Montreal Children's Hospital, Montreal, QC, Donald Cohen Lectureship Series. "Music and autism." With A. K. Bhatara, E.-M. Quintin, & E. Fombonne. May 18, 2006.
- Dawson College, Montreal, QC, PED Day. "Connecting with our students through music and creativity." **Keynote**. November 11, 2005.
- Future of Music Coalition Fifth Annual Policy Summit, George Washington University, Washington, D. C. Invited panelist, "Recommendation engines and the 5 cent solution." September 13, 2005.
- Canadian Association for Williams Syndrome Family Conference, Calgary, AB. July 31, 2005.
- Canadian Association for Williams Syndrome Family Conference, Calgary, AB. July 29, 2005.
- The Neurosciences and Music II, Leipzig, Germany. May 8, 2005.

- Society for Research on the Psychology of Music and Music Education (SRPMME), Conference on Musical Creativity in Culture and Mind, Cambridge University, Cambridge, UK, Creativity under constraints: Popular music from 1954-2004. **Keynote.** April 16, 2005.
- 23rd Annual Canadian Music Week Conference, Toronto, ON. Invited Panelist, "Canada saves the world (or at least the music biz)." March 3, 2005.
- Cold Spring Harbor Research Laboratory, Cold Spring Harbor, NY, Neural Representation and Processing of Temporal Patterns. "The neural basis of temporal coherence in music." December 17, 2003.
- 12ieme Journées Scientifiques du Groupe de recherche en neuropsychologie et cognition (GRENEC) Orford, QC. "Absolute pitch: Précis d'un perspective integrative." April 4-5, 2003.
- Hanse Institute, Delmenhorst, Germany, Workshop, Pitch: Neural Coding and Perception. "Absolute pitch: an integrated review." August 17, 2002.
- Eastman School of Music, Music Theory Symposium, Rochester, NY. "Adventures in pitch and melody perception." April 5, 2002.
- National Science Foundation Symposium, University of Massachusetts, Amherst, MA, Separability of Cognitive Function: What Can Be Learned From Williams Syndrome? August 24, 2001.
- Meeting of the Acoustical Society of America, Music Cognition and Williams Syndrome Symposium, Columbus, OH,. October, 1999.
- Meeting of the Audio Engineering Society of America, Los Angeles Chapter, Los Angeles, CA. "Musical memory: Findings and trends." September, 1999.
- 3rd International Conference on Computing Anticipatory Systems, Liège, Belgium. "The perception of cross-modal simultaneity." August, 1999.
- ESCOM, 2nd International Conference on Computing Anticipatory Systems, Symposium on Anticipation, Cognition and Music, Liege, Belgium. "Absolute Pitch: Self-reference and human memory." August, 1998.
- ESCOM, 2nd International Conference on Computing Anticipatory Systems, Symposium on Anticipation, Cognition and Music, Liege, Belgium. "Tone Deafness: Failures of musical anticipation and self-reference." August, 1998.
- Society for Research in Psychology of Music and Music Education (SRPMME), Symposium, Measuring Music: From Psychometric to Cooperative Enquiry in Music Education and Music Psychology. **Keynote.** April, 1998.
- California Music Educator's Conference, Sacramento, CA. "Memory for music in non-musicians." **Keynote.** March, 1998.
- Audio Engineering Society, New York, NY. "Absolute memory for musical tempo." October, 1995.
- Naval Underwater Sound Research Laboratory, New London, CT. "Auditory illusions and sound thinking." April, 1995.
- Audio Engineering Society, San Francisco, CA. "Absolute memory for musical pitch: More than the melody lingers on." October 1, 1992.

COLLOQUIA

- University of Connecticut, Psychology Department Colloquium, Storrs, CT. "Quantifying musical emotion: Evidence from psychophysics." April 20, 2011.
- University of California at Berkeley, Psychology Department, Institute of Cognitive and Brain Sciences, Berkeley, CA. "On the psychophysics of musical expressivity." February 26, 2010.
- Stanford University, Psychology Department, Stanford, CA. "Mental representations for music." January 28, 2009.
- University of California at Berkeley, Psychology Department, Institute of Cognitive and Brain Science, Berkeley, CA. "Mental representations for music." January 23, 2009.
- Kalamazoo College, Kalamazoo, MI. October 11, 2008.
- Washington University in St. Louis, Psychology Department, St. Louis, MO. October 8, 2008.
- University of Toronto, Toronto, ON. September 16, 2008.
- Stanford University, Hearing seminar, Stanford, CA. "Memory for consonance and dissonance." May 10, 2007.
- Oregon Health & Science University, Grand Rounds, Music and the Brain, Portland, OR. February 5, 2007.
- Yahoo! Research Laboratory, Santa Monica, CA. "The future of music and music indexing." November 21, 2006.
- University of Wisconsin-Madison, Waisman Institute, Madison, WA. "Musical behaviour in a neurodevelopmental disorder: Evidence from Williams Syndrome, from perception to performance." September 25, 2006.
- Amazon.com "Fishbowl" Series. Seattle, WA. September 13, 2006.
- University of Washington, Department of Speech & Hearing Sciences, Seattle, WA. September 13, 2006.
- Princeton University, Computer Science Department, Princeton, NJ. "The future of the music business and the 5 cent solution (How artists and consumers can reclaim ownership of music)." February 13, 2006.
- Centre for Research in Neuroscience, Montreal General Hospital, Montreal, QC. "Music and the pre-frontal cortex." January 20, 2005.
- University of Montreal, Brain Research and Music Science Colloquium, Montreal, QC. "Musical abilities and Williams Syndrome." May 25, 2004.
- University of California at San Diego, Psychology Department, San Diego, CA. "Adventures in pitch and melody perception." April 8, 2004.
- University of California at San Diego, Psychology Department, San Diego, CA. "The psychology of humour." April 8, 2004.
- University of California at Berkeley, Psychology Department Ear Club, Berkeley CA. "Adventures in pitch and melody perception." January 26, 2004.
- Redwood Neurosciences Institute, Menlo Park, CA. January 27, 2004.
- Stanford University, Hearing seminar, Stanford, CA. "Musical structure and the brain." January 22, 2004.
- University of Québec at Montreal (UQAM), Trends in Cognitive Science Colloquium, Montreal, QC. "Cognitive neuroscience approaches to understanding musical syntax and musical meaning." December 5, 2003.
- University of Rochester, Electrical and Computer Engineering Colloquium, Rochester, NY. "The perception of cross-modal simultaneity." April 4, 2002.

- McGill University, Department of School and Applied Child Psychology, Research Seminar, Montreal, QC. "Understanding hyperacusis in individuals with Williams Syndrome." January 29, 2002.
- McGill University, School of Communication Sciences and Disorders Colloquium, Montreal, QC. "Language and musical abilities in a neurogenetic developmental disorder: Evidence from Williams Syndrome." January 28, 2002.
- University of California at Berkeley, Psychology Department Ear Club, Berkeley, CA. "Measuring vowel space with Korte's Law." April 17, 2000.
- University of California at Berkeley, Cognitive Science Colloquium, Berkeley, CA. "Long-term memory, mental codes, and music." September 17, 1999.
- McGill University, Faculty of Music Colloquium, Montreal, QC. "Intellectual property in the music industry." March 12, 1999.
- McGill University, Department of Psychology, Montreal, QC. "Long-term memory, mental codes, and auditory patterns." March 11, 1999.
- Keele University, Department of Psychology, Staffordshire, U.K. "Long-term memory, mental codes, and musical pitch." December 2, 1998.
- University of Toronto at Mississauga, Department of Psychology Colloquium, Mississauga, ON. "Long-term memory, mental codes, and musical pitch." November 26, 1998.
- York University, Department of Music Colloquium, Toronto, ON. "Decision-making and political economy in the record industry." November 26, 1998.
- University of California at Berkeley, Psychology Department Ear Club, "The perception of cross-modal simultaneity: The Greenwich Observatory problem revisited." October 19, 1998.
- Stanford University, Center for the Study of Language and Information (CSLI) Cognitive Seminar, Stanford, CA. "The perception of cross-modal simultaneity: The Greenwich Observatory problem revisited." April, 1998.
- University of Oregon, Institute for Cognitive and Decision Sciences Proseminar, Eugene, OR. "The perception of cross-modal simultaneity: The Greenwich Observatory problem revisited." November, 1997.
- Université René Descartes, Auditory Perception Colloquium, Paris, France. "I can't get that song out of my head: Is musical memory relative or absolute?" November, 1997.
- Keele University, Psychology Department Colloquium, Staffordshire, U.K. "Musical abilities in individuals with Williams Syndrome." June, 1997.
- Princeton University. Department of Music Colloquium, February, 1997. "Music and the marketplace: An overview for composers."
- Columbia University, Department of Music Colloquium, New York, NY. "Memory for musical events." January, 1997.
- University of California at Berkeley, Psychology Department Ear Club, Berkeley, CA. "Categorical Perception and Musical Pitch." September 16, 1996.
- Microsoft Corporation, Research colloquium Redmond, WA. "Auditory illusions and sound thinking." April, 1996.
- Queens University, Cognitive Science Colloquium, Kingston, ON. "I can't get that song out of my head - Is musical memory relative or absolute?" October, 1995.
- University of California at Berkeley, Psychology Department Ear Club, Berkeley, CA. "Absolute memory for musical tempo." February, 1995.
- University of California at Berkeley, Psychology Department Ear Club, Berkeley, CA. "Absolute memory for musical pitch." December, 1993.

CONFERENCE PRESENTATIONS

- *Houlihan, K., & Levitin, D. J. (2011, August). *Recognition of melodies from rhythm and pitch*. Paper presented at the 2011 bi-annual meeting of the Society for Music Perception and Cognition (SMPC), Rochester, NY.
- Mitchell, L. A., Paisley, A. M. J. M., & Levitin, D. J. (2011, August). *Validating emotionally-representative musical selections: Relationship between psychophysiological response, perceived and felt emotion*. Paper presented at the 2011 bi-annual meeting of the Society for Music Perception and Cognition (SMPC), Rochester, NY.
- Mitchell, L. A., Mogil, J. S., Koulis, T., & Levitin, D. J. (2011, August). *Music and pain perception: Investigating the role of attention*. Paper presented at the 2011 bi-annual meeting of the Society for Music Perception and Cognition (SMPC), Rochester, NY.
- *Sharma, V. V., & Levitin, D. J. (2011, August). *Attribute integration in Absolute Pitch perception: Effects of musical experience on auditory memory, attention and categorization*. Paper presented at the 2011 bi-annual meeting of the Society for Music Perception and Cognition (SMPC), Rochester, NY.
- *Tirovolas, A. K., & Levitin, D. J. (2011, August). *26 years of music perception: Trends in the field*. Paper presented at the 2011 bi-annual meeting of the Society for Music Perception and Cognition (SMPC), Rochester, NY.
- Levitin, D. J., *Bhatara, A., *Tirovolas, A. K., *Duan, L. M., & *Levy, B. (2010, November). *The aesthetics of musical expression: Evidence from psychophysics*. Paper presented at the Symposium on Aesthetic Science: Psychophysical and Neuroscientific Approaches, 51st Annual Meeting of the Psychonomic Society, St. Louis, MO.
- Mitchell, L. A., Mogil, J. S., & Levitin, D. J. (2010, August). *Music and pain perception: Investigating the role of attention*. Paper presented at the 11th International Conference on Music Perception and Cognition, Seattle, WA.
- *Tirovolas, A. K., & Levitin, D. J. (2010, August). *26 years of music perception: Trends in the field*. Paper presented at the 11th International Conference on Music Perception and Cognition, Seattle, WA.
- *Tirovolas, A. K., Stringer, R. W., & Levitin, D. J. (2010, August). *Extending the RAN task to pitches in the prediction of musical sight-reading performance*. Paper presented at the 11th International Conference on Music Perception and Cognition, Seattle, WA.
- *Abrams, D. A., *Bhatara, A. K., *Ryali, S., Balaban, E., Levitin, D. J., & Menon, V. (2009, June). *Decoding the distributed neural substrates of temporal structure in music and speech: Beyond the shared syntactic integration resource hypothesis*. Paper presented at the Human Brain Mapping Annual Meeting, San Francisco, CA.
- *Abrams, D. A., *Ryali, S., Chordia, P., Levitin, D. J., & Menon, V. (2009, August). *Neural synchrony across listeners during natural listening conditions*. Paper presented at the 3rd International Conference on Auditory Cortex, Magdeburg, Germany.
- *Bhatara, A. K., *Tirovolas, A. K., & Levitin, D. J. (2009, August). *On the psychophysics of expressivity in piano performance*. Paper presented at the International Conference on Music and Emotion, Durham University, Durham, U.K.
- *Pras, A., *Zimmerman, R., Guastavino, C., & Levitin, D. J. (2009, October). *Subjective evaluation of mp3 compression for different musical genres*. Paper presented at the Audio Engineering Society 127th Convention, New York, NY.
- *Tirovolas, A. K., Stringer, R. W., & Levitin, D. J. (2009, June). *Extending the rapid automatized naming task to musical pitches and durations*. Paper presented at the meeting of the Canadian Psychological Association, Montreal, QC.

- Levitin, D. J. (2008, June). Emotions and music: normal and disordered development [Session co-chair, with Tervaniemi, M.]. Neurosciences and Music III: Disorders and Plasticity, Montreal, QC.
- Levitin, D. J. (2008, June). *Interpretation of musical emotion by adolescents with Autistic Spectrum Disorders*. Paper presented at the meeting of Neurosciences and Music III: Disorders and Plasticity, Montreal, QC.
- Levitin, D. J. (2008, March 6). *Guitar Hero & Rock Band: Transcendental air guitar and the object lesson of the gaming phenomenon* [Panelist]. Canadian Music Week, Toronto, ON.
- Levitin, D. J. (2008, March 6). *The paradise of infinite storage: How this ultimate game changer will upset all the Apple carts* [Panelist]. Canadian Music Week, Toronto, ON.
- *Tirovolas, A. K., & Levitin, D. J. (2008, May). *On the psychophysics of expressivity in piano performance*. Paper presented at the 3rd Annual International Symposium on Music and the Brain: Exploring Emotion, Stanford University, Palo Alto, CA.
- Wang, S., & Levitin, D. J. (2008, November 17). *How – and why – to communicate with non-scientists about the brain*. Paper presented at the meeting of the Society for Neuroscience, Washington, D.C.
- *Bhatara, A. K., *Quintin, E.-M., Fombonne, E., & Levitin, D. J. (2007, August 3). *Development of emotional understanding of music in children with autism*. Paper presented at the 8th biennial meeting of the Society for Music Perception and Cognition, Montreal, QC.
- *Chapados, C., & Levitin, D. J. (2007, July 31). *Seeing versus hearing a musical performance: physiological correlates*. Paper presented at the annual meeting of the Society for Music Perception and Cognition, Montreal, QC.
- *Koulis, T., Ramsay, J. O., & Levitin, D. J. (2007, August). *Detecting nonlinear dynamics in a psychoacoustics experiment*. Paper presented at the Joint Statistical Meetings of the American Statistical Association, Institute of Mathematical Statistics, International Biometric Society, and Statistical Society of Canada, Salt Lake City, UT.
- Levitin, D. J. (2007, August 1). *Pitch and Dissonance* [Session chair]. Annual meeting of the Society for Music Perception and Cognition, Montreal, QC
- Levitin, D. J. (2007, October 4). *The paradise of infinite storage*. Paper presented at Pop & Policy: Music Fast Forward Conference, Montreal, QC.
- *Quintin, E.-M., *Bhatara, A. K., Fombonne, E., Poissant, H., & Levitin, D. J. (2007, October) *Emotion recognition and Autistic Spectrum Disorders (ASD): Can music help?* Paper presented at the annual meeting of the Canadian Acoustical Association, Montreal, QC.
- *Rogers, S. E., & Levitin, D. J. (2007, October). *Memory for musical intervals: Cognitive differences for consonance and dissonance*. Paper presented at the meeting of the Canadian Acoustics Association, Montreal, QC.
- *Rogers, S. E., & Levitin, D. J. (2007, October). *Memory for musical intervals: Cognitive differences for consonance and dissonance*. Paper presented at the 123rd meeting of the Audio Engineering Society, New York, NY.
- *Sridharan, D., Levitin, D. J., & Menon, V. (2007, June 25) *A causal role for the right fronto-insular cortex in switching between executive-control and default-mode networks* [Invited spotlight presentation]. Paper presented at the 13th annual meeting of The Organization for Human Brain Mapping, Chicago, IL. [Submission ranked among top 65 (top 5%) of over 1500 abstracts presented at the meeting.]
- *Salimpoor, V., Guastavino, C., & Levitin, D. J. (2007, October). *Subjective evaluation of popular audio compression formats*. Paper presented at the 123rd meeting of the Audio Engineering Society, New York, NY.

- *Quintin, E.-M., *Bhatara, A., Fombonne, E., Poissant, H., & Levitin, D. J. (2007, August 3). *How do individuals with Autism Spectrum Disorder perceive emotions in music?* Paper presented at the annual meeting of the Society for Music Perception and Cognition, Montreal, QC.
- *Rogers, S. E., & Levitin, D. J. (2007, August 2). *Memory for musical intervals: Cognitive differences for consonance and dissonance.* Paper presented at the annual meeting of the Society for Music Perception and Cognition, Montreal, QC.
- Keller, J., Anguiano, J., Wu, S., Levitin, D. J., Schatzberg, A. F., & Menon, V. (2007, June). *Dysfunctional reward processing in major depression.* Paper presented at the annual meeting of The Organization for Human Brain Mapping, Chicago, IL.
- Vishne, T., Osherson, D., & Levitin, D. J. (2007, May 17-19) *Music perception among schizophrenia patients.* Paper presented at the 62nd Annual Scientific Program and Convention, Society of Biological Psychology, San Diego, CA.
- Vishne, T., Levitin, D. J., & Osherson, D. (2007, March 28). *Music perception among schizophrenia patients.* Paper presented the International Congress on Schizophrenia Research, Colorado Springs, CO.
- *Rogers, S. E., & Levitin, D. J. (2006, November 16). *Memory for consonance and dissonance.* Paper presented at the Auditory Perception, Cognition, and Action Meeting (APCAM) 2006, Houston, TX.
- *Bhatara, A. K., Menon, V., & Levitin, D. J. (2006, August 24). *The functional neuroanatomy of temporal structure in music and language.* Paper presented at the 9th International Conference on Music Perception and Cognition, Bologna, Italy.
- *Quintin, E.-M., *Bhatara, A. K., Fombonne, E., & Levitin, D. J. (2006, August 24). *Musical structure processing in Autistic Spectrum Disorder.* Paper presented at the 9th International Conference on Music Perception and Cognition, Bologna, Italy.
- *Koulis, T., Ramsay, J. O., & Levitin, D. J. (June 14, 2006). *Calibrating human responses for pitch tracking.* Paper presented at the 71st Annual International Meeting of the Psychometric Society (IMPS), Montreal, QC.
- *Vines, B. W., Krumhansl, C. L., Wanderley, M. M., & Levitin, D. J. (2005, March). *Seeing music: The temporal integration of visual and auditory sequences.* Paper presented at the 15th New England Sequencing & Timing (NEST) meeting, New Haven, CT.
- *Ward, J., & Levitin, D. J. (2005, March). *Exploring models of joint action plans: Separating perception from motor control.* Paper presented at the 15th New England Sequencing & Timing (NEST) meeting, New Haven, CT.
- *Vines, B. W., *Nuzzo, R. L., Krumhansl, C. L., Wanderley, M. M., & Levitin, D. J. (2004, August). *Visual music: The perceptual impact of seeing a clarinetist perform.* Paper presented at the 8th International Conference on Music Perception and Cognition, Evanston, IL.
- *Vines, B. W., & Levitin, D. J. (2004, August). *Functional data analysis: Techniques for exploring temporal processes in music.* Paper presented at The 8th International Conference on Music Perception and Cognition, Evanston, IL.
- *Vines, B. W., Wanderley, M. M., *Nuzzo, R., Krumhansl, C. L., & Levitin, D. J. (2003, August 29). *Seeing music: The contribution of clarinetists' movements to the experience of an observer.* Paper presented at the International Conference on Music and Gesture, University of East Anglia, Norwich, U.K.
- Levitin, D. J., & Menon, V. (2003, June 25). *Musical meaning is processed in "language" areas of the brain.* Paper presented at the 10th Biannual Rhythm Perception & Production Workshop, Isle de Tatihou, France.

- Levitin, D. J., & Menon, V. (2003, June 17). *Musical structure is processed in "language" areas of the brain*. Paper presented at the Society for Music Perception and Cognition, Las Vegas, NV.
- *Vines, B. W., Wanderley, M. M., *Nuzzo, R., Levitin, D. J., & Krumhansl, C. L. (2003, April 15-17). *Performance gestures of musicians: What structural and emotional information do they convey?* Paper presented at the 5th International Workshop on Gesture and Sign Language based Human-Computer Interaction, Genova, Italy.
- Levitin, D. J., & Woszczyk, W. (2002, October). *The Centre for Interdisciplinary Research in Music, Media and Technology (CIRMMT)*. Plenary session on CFI Projects involving acoustics, Canadian Acoustical Association Meeting, Charlottetown, P.E.I.
- *Kim, J. K., & Levitin, D. J. (2002, October). *Configural processing in melody recognition*. Paper presented at the Canadian Acoustical Association Meeting, Charlottetown, P.E.I.
- Levitin, D. J. (2002, August). *Music and the brain* [Session chair]. International Musicology Society, Leuven, Belgium.
- Levitin, D. J., Bellugi, U., Korenberg, J., Schmitt, J. E., Menon, V., Eliez, S., Glover, G. H., White, C. D., & Reiss, A. L. (2002, July). *Is there a difference between music and noise? Evidence from Williams Syndrome and fMRI*. Paper presented at the Williams Syndrome Association Professional Conference, Long Beach, CA.
- Levitin, D. J., Bellugi, U., & *Cole, K. (2002, July). *Aversion, awareness and attraction: Hyperacusis in Williams Syndrome*. Paper presented at the Williams Syndrome Association Professional Conference, Long Beach, CA.
- Levitin, D. J., Bellugi, U., *Kreiter, J., & *Cole, K. (2002, July). *The effect of music on emotions in personal narratives by individuals with Williams Syndrome*. Paper presented at the Williams Syndrome Association Professional Conference, Long Beach, CA.
- Levitin, D. J., Bellugi, U., & *Cole, K. (2002, July). *Music perception and cognition in individuals with Williams Syndrome: Results of a new musical battery*. Paper presented at the Williams Syndrome Association Professional Conference, Long Beach, CA.
- Levitin, D. J. (1999, August). *Circular statistics and music psychology*. Paper presented at the meeting of the Society for Music Perception and Cognition, Evanston, IL.
- Levitin, D. J. (1999, August). *The perception of cross-modal simultaneity*. Paper presented at the meeting of the Society for Music Perception and Cognition, Evanston, IL.
- Palmer, S. E., & Levitin, D. J. (1998, November). *Synchrony: A new principle of perceptual grouping*. Paper presented at the 39th Annual Meeting of the Psychonomic Society, Dallas, TX.
- Levitin, D. J. (1998, August). *Melodic structure and memory, melody and rhythm in music and language* [Session Chair]. 5th International Conference on Music Perception and Cognition (ICMPC), Seoul, Korea.
- Levitin, D. J. (1998, July). *The perception of cross-modal simultaneity (or The Greenwich Observatory problem revisited)*. Paper presented at the meeting of the Cognitive Science Association for Interdisciplinary Learning (CSAIL), Hood River, OR.
- Levitin, D. J. (1997, September). *Music and the brain* [Session chair]. International Computer Music Conference, Thessaloniki, Greece.
- Levitin, D. J., & Bellugi, U. (1997, August). *Musical abilities and Williams Syndrome*. Paper presented at the meeting of the Society for Music Perception and Cognition, Cambridge, MA.
- Levitin, D. J. (1997, August). *Pitch memory and the A440 scale*. Paper presented at the meeting of the Society for Music Perception and Cognition, Cambridge, MA.

- Levitin, D. J., & Bellugi, U. (1997, June). *Musical abilities and Williams Syndrome*. Paper presented at the Third Triennial Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Uppsala, Sweden.
- Levitin, D. J. (1997, June). *Pitch memory and the A440 scale*. Paper presented at the Third Triennial Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Uppsala, Sweden.
- Levitin, D. J. (1996, August). *Do absolute pitch possessors have categorical perception?* Paper presented at The International Congress of Psychology, Montreal, QC.
- Levitin, D. J. (1996, August). *Absolute memory and absolute pitch*. Paper presented at the International Conference on Music Perception & Cognition, Montreal, QC.
- Levitin, D. J. (1993, June). *Absolute memory for musical pitch: More than the melody lingers on*. Paper presented at the meeting of the Society for Music Perception and Cognition, Philadelphia, PA.
- Levitin, D. J. (1993, April). *Absolute memory for musical pitch: More than the melody lingers on*. Paper presented at the meeting of the Western Psychological Association, Phoenix, AZ.

POSTER PRESENTATIONS

- *Chanda, M. L., Levitin, D. J. (2011, August). *The neurochemical basis for musical regulation of emotion, cognition and health: A review*. Poster presented at the 2011 bi-annual meeting of the Society for Music Perception and Cognition (SMPC), Rochester, NY.
- Palmer, S. E., Langlois, T., Tsang, T., Schloss, K. B., & Levitin, D. J. (2011, May). *Color, music, and emotion*. Poster presented at the 11th Annual Meeting of the Vision Sciences Society (VSS), Naples, FL.
- *Vines, B. W., Krumhansl, C. L., Wanderley, M. M., Dalca, I. M., & Levitin, D. J. (2010, August). *Music to my eyes: Cross-modal interactions in the perception of emotions in musical performance*. Poster presented at the 11th International Conference on Music Perception and Cognition, Seattle, WA.
- *Quintin, E.-M., *Bhatara, A. K., Poissant, H., Fombonne, E., & Levitin, D. J. (2010, April). *Processing of musical structure and Autism Spectrum Disorders*. Poster presented at the meeting of the Cognitive Neuroscience Society, Montreal, QC.
- *Abrams, D. A., *Bhatara, A. K., *Ryali, S., Balaban, E., Levitin, D. J., & Menon, V. (2009, August). *Music and speech structure engage shared brain resources but elicit different activity patterns*. Poster presented at the 3rd International Conference on Auditory Cortex, Magdeburg, Germany.
- *Bhatara, A. K., *Quintin, E.-M., Fombonne, E., & Levitin, D. J. (2009, May). *Perception of emotion in musical performance by children and adolescents with ASD*. Poster and abstract presented at the 8th International Meeting For Autism Research (IMFAR), Chicago, IL.
- *Quintin, E.-M., *Bhatara, A. K., Poissant, H., Fombonne, E., & Levitin, D. J. (2009, May). *Assessing theories of central coherence and perceptual functioning with music in ASD*. Poster and abstract presented at the 8th International Meeting For Autism Research (IMFAR), Chicago, IL.
- *Bhatara, A. K., *Quintin, E.-M., Fombonne, E., & Levitin, D. J. (2008, May). *The effect of music on social attribution in Autism Spectrum Disorders*. Poster presented at the International Meeting for Autism Research, London, U.K.

- *Quintin, E.-M., *Bhatara, A., Poissant, H., Fombonne, E., & Levitin, D. J. (2008, May). *Recognizing emotions in music: A strength in ASD*. Poster presented at the International Meeting for Autism Research, London, U.K.
- *Quintin, E.-M., *Bhatara, A. K., Fombonne, E., Poissant, H., & Levitin, D. J. (2007, June). *Emotions and music: The case of Autistic Spectrum Disorders*. Poster presented at the 3rd Cognitio Conference, Montreal, QC.
- *Bhatara, A., *Quintin, E.-M., Fombonne, E., & Levitin, D. J. (2007, May). *Musical emotion and structure processing in Autism Spectrum Disorders*. Poster presented at the meeting of the Cognitive Neuroscience Society, New York, NY.
- *Bhatara, A., *Tirovolas, A. K., Fombonne, E., & Levitin, D. J. (2007, May). *Emotional cognition in children with Autism Spectrum Disorders (ASD): Is music a domain of spared ability?* Poster presented at the meeting of the Cognitive Neuroscience Society, New York, NY.
- *Quintin, E.-M., *Bhatara, A., Fombonne, E., Poissant, H., & Levitin, D. J. (2007, May). *Emotion recognition explored through music in children with Autistic Spectrum Disorder*. Poster presented at the meeting of the Cognitive Neuroscience Society, New York, NY.
- *Quintin, E.-M., *Bhatara, A., Fombonne, E., Poissant, H. & Levitin, D. J. (2007, March). *Reconnaissance des émotions à travers la musique chez des enfants présentant un trouble envahissant du développement*. Poster presented at the meeting of the Société Québécoise de Recherche en Psychologie, Sherbrooke, QC.
- *Bhatara, A. K., Menon, V., & Levitin, D. J. (2006, August). *The functional neuroanatomy of temporal structure in music and language*. Poster presented at the meeting of the 9th annual International Conference on Music Perception and Cognition (ICMPC), Bologna, Italy.
- *Quintin, E.-M., *Bhatara, A. K., Fombonne, E., & Levitin, D. J. (2006, August). *Musical structure processing in Autistic Spectrum Disorder*. Poster presented at the biennial International Conference on Music Perception and Cognition, Bologna, Italy.
- *Bhatara, A. K., *Quintin, E.-M., Fombonne, E., & Levitin, D. J. (2006, June). *Emotional cognition of children with Autism Spectrum Disorders (ASD) using music as a medium*. Presented at the 5th International Meeting for Autism Research (IMFAR), Montreal, QC.
- *Quintin, E.-M., *Bhatara, A., Fombonne, E., & Levitin, D. J. (2006, June). *Central coherence theory and music in Autism Spectrum Disorders*. Poster and abstract presented at the 5th International Meeting For Autism Research (IMFAR), Montreal, QC.
- *Sridharan, D., Chang, C. E., Levitin, D. J., & Menon, V. (2006, June). *Independent component analysis of 'real' music reveals brain modes selective for parsing event boundaries*. Poster presented at the meeting of AREADNE: Research in Encoding and Decoding of Neural Ensembles, Santorini, Greece.
- *Sridharan, D., Levitin, D. J., Chafe, C. H., Berger, J., & Menon, V. (2006, June). *Neural dynamics of event segmentation in music*. Poster presented at the 12th Annual Meeting of the Organization for Human Brain Mapping (OHBM), Florence, Italy.
- *Sridharan, D., Levitin, D. J., Chafe, C. H., Berger, J., & Menon, V. (2006, April). *Neural dynamics of event segmentation in music*. Poster presented at the 13th Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, CA.
- *Bhatara, A. K., Menon, V., & Levitin, D. J. (2006, April). *The functional neuroanatomy of temporal structure in music and language*. Poster presented at the 13th Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, CA.

- *Quintin, E.-M., *Bhatara, A., Fombonne, E., & Levitin, D. J. (2006, April). *Local and global processing of musical structure in Autistic Spectrum Disorder*. Poster presented at the 13th Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, CA.
- *Vines, B., *Nuzzo, R., Krumhansl, C., Wanderley, M. M., *Quintin, E.-M., & Levitin, D. J. (2003, December). *Seeing music: The temporal integration of sight and sound*. Poster presented at the meeting for Neural Representation and Processing of Temporal Patterns, Cold Spring Harbor Laboratory, Banbury Center, NY.
- Levitin, D. J., Bellugi, U., *Kreiter, J., & *Cole, K. (2002, November 21). *How does the music make you feel?* Poster presented at the American Speech-Language Hearing Association Annual Convention, Atlanta, GA.

DEPARTMENTAL AND UNIVERSITY SERVICE

McGill

University Level Committees

- Founding member, Center for Interdisciplinary Research in Music Media and Technology (2000 - present)
- Bell Canada E-Commerce Chair Search Committee (2000 - 2001)
- Advisory Committee to the Principal for the Hiring of VP Research (2001 - 2002)
- Planning committee for graduate program, McGill School of the Environment (2001 - 2002)
- Executive Committee, Centre for Interdisciplinary Research in Music Media and Technology (CIRMMT, 2002 - 2006)
- Peter Gzowsky CBC Internship Scholarship Selection Committee (2003)
- Intellectual Property Appeals Committee (2004 - present)
- Faculty of Science Tenure and Promotions Committee (2005 - 2008)
- Program and Academic Committee, B.A./B.Sc Degree Program (2005 - 2006)
- Faculty of Music Tenure and Promotions Committee (2006 - 2007)
- Capital Campaign Faculty Committee (2007 -)
- Tomlinson Science Education T-PULSE Committee (2008 - 2011)
- Vice Principal's Internal Campaign Advisory Board (2009 - present)
- Leo Yaffe Teaching Award & Principal's Prizes Committee (2009 - 2012)

Department Level Committees

- Graduate Education Committee (2004 - 2008), Chair, cognitive curriculum subcommittee
- Graduate Student Grievance Committee (2004 - present)
- Undergraduate Honors Program and Awards Committee (2000 - 2001, 2002 - 2003, 2004 - 2005, 2009 - 2010)
- Scholarships Committee (2003 - 2004)
- Psychology Department Executive Committee (2002 - 2003, 2008 - 2009, 2009 - 2010)
- Chair, Web Committee (2000 - 2006)
- Cognitive Neuroscience Search Committee (2000 - 2001)
- Equipment and Services Committee (2001 - 2006)
- Cognition Search Committee (2001, 2002, 2003)
- Chair, Cognitive Graduate Student Admissions Committee (2002, 2004, 2005)
- Quantitative Search Committee (2006, 2007)
- Colloquium Committee (2007 - 2009)
- Promotion and Tenure Committee (2008 - 2010)

University of Oregon

Graduate Education Committee (1992 - 95)
Centennial Committee (1995 - 96)
Library Committee (1995 - 96)
Supervisor of four undergraduate honors theses (1993 - 96)

PROFESSIONAL SERVICE

Member, Board of Directors, Society for Music Perception and Cognition (1999 - 2002)
Research Advisory Board, Berkshire Hills Music Academy (2001 - present)
Advisory Board, Williams Syndrome Association (2000 - present)

EDITORIAL BOARD

Music Perception, Consulting Editor (1998 - present)
Guest Editor, "Creation and Perception of a Contemporary Music Work," Winter, 2004,
Vol. 22, No. 2.
Musicae Scientiae, Consulting Editor (2001 - present)

Ad hoc reviewer

ACM Transactions on Applied Perception
Acta Acustica
American Journal of Medical Genetics
American Journal of Psychology
American Journal on Mental Retardation
Annals of the New York Academy of Sciences
Australian Journal of Psychology
Biological Psychiatry
BMC Research Notes
Brain
Cerebral Cortex
Cognition
Cognitive Science
Cortex
Current Biology
Ear and Hearing
Emotion
Empirical Musicology Review
European Journal of Paediatric Neurology
European Journal of Psychological Assessment
Experimental Brain Research
Human Brain Mapping
Interacting with Computers
Journal of the Acoustical Society of America
Journal of Autism and Developmental Disorders

Journal of Child Psychology and Psychiatry and Allied Disciplines
Journal of Cognitive Neuroscience
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Learning, Memory and Cognition
Journal of Interdisciplinary Music Studies
Journal of Memory and Language
Journal of Neuroscience
Memory & Cognition
Nature
NeuroCase
NeuroImage
Neuron
NeuroReport
Perception & Psychophysics
Physiology & Behavior
PLoS Biology
PLoS One
Psychological Research
Psychological Science
Psychology of Music
Psychonomic Bulletin & Review
Quarterly Journal of Experimental Psychology
Science

SCIENTIFIC BOARD

Papers Committee for the 1997 Meeting of the International Computer Music Conference.
Scientific Program Committee for the 1999 Meeting of the Society for Music Perception and Cognition.
Scientific Program Committee for the 2000 Meeting of the European Society for the Cognitive Sciences of Music.
Scientific Program Committee for the 2001 of the Meeting of the Society for Music Perception and Cognition.
Scientific Program Committee for the 2002 International Conference of Music Perception and Cognition.
Scientific Program Committee for the 2003 Meeting of the Society for Music Perception and Cognition.
Scientific Program Committee for the 2003 New Instruments for Musical Expression Conference.
International Review Committee for the 2004 Conference on Interdisciplinary Musicology, University of Graz, Austria.
Scientific Program Committee for the 2004 International Conference of Music Perception and Cognition.
Scientific Program Committee for the 2004 International Computer Music Conference.
Papers Committee, 28th Annual Cognitive Society Meeting, Vancouver, 2006.
Scientific Advisory Board, Festa della Musica e Della Genetica, Bologna, Italy. University of Bologna, May 12 - 20, 2007.

GRANT REVIEWS

CIHR (Cognitive Neuroscience)
ESRC (Economics, Social and Research Council of Great Britain: Psychology, Linguistics,
and Education Program)
Fulbright Program
Grammy Foundation
Guggenheim Foundation
MacArthur Foundation
National Science Foundation (Computational Neuroscience, Cognitive Neuroscience)
NSERC (Cognitive Neuroscience, Cognition and Perception)
SSHRC
Stanford Humanities Center

SABBATICAL VISITORS

Carol Krumhansl, Cornell University, 2002 - 2002
Richard Parncutt, University of Graz, Austria, 2002 - 2003
John Sloboda, Keele University, UK, 2003 - 2004
Jay Dowling, University of Texas at Dallas, 2005
Sandy Pearlman, e-music.com, 2006 - 2009
Pam Heaton, Goldsmiths College, UK, 2007
Laura Mitchell, Glasgow Caledonia University, 2009 - 2010

STUDENT SUPERVISION

I. Doctoral Students Supervised († = completed Ph.D. under my supervision)

†**Bhatara, Anjali, Ph.D.** (2004 - 2008). Ph.D. Awarded 2008. *Music as a means of investigating perception of emotion and social attribution in typical development and in adolescents with Autism Spectrum Disorders*. Dr. Bhatara is currently a post-doctoral fellow at University of Paris V.

†**Corey, Jason A., Ph.D.** (Faculty of Music, 2001 - 2002, co-supervised with Dr. Wieslaw Woszczyk). *An integrated system for dynamic control of auditory perspective in a multichannel soundfield*. Dr. Corey is currently Assistant Professor of Music at the University of Michigan.

†**Moreno Sala, Maria Teresa, Ph.D.** (Faculty of Music, 2003 - 2005, co-supervised with Dr. E. Costa-Giomi). Ph.D. Awarded 2005. *The effects of instruction, cognitive abilities and environmental factors on young children's development of absolute and relative pitch perception*. Dr. Moreno Sala is currently Assistant Professor of Music at the University of Laval, Quebec.

Parvin, Elizabeth (2009 - present).

†**Quesnel, René, Ph.D.** (Faculty of Music, 2000 - 2002, co-supervised with Dr. Wieslaw Woszczyk). *A computer-assisted method for training and researching timbre evaluation skills*. Dr. Quesnel is currently Assistant Professor in the Faculty of Music, McGill University.

- †**Quintin, Eve-Marie Ph.D.** (2005 - 2010, co-supervised with Dr. Helene Poissant). *Emotional communication and music in Autism*. Ms. Quintin is currently a post-doctoral fellow at Stanford University.
- †**Rogers, Susan, Ph.D.** (2004 - 2010, co-supervised with Dr. Stephen McAdams). *The Influence of Sensory and Cognitive Consonance/Dissonance on Musical Signal Processing*. Dr. Rogers is currently Associate Professor at Berklee College of Music, Boston.
- Sharma, Vivek** (2009 - present).
- Tirovolas, A. K.** (Faculty of Education, 2007 - present, co-supervised with Dr. Ron Stringer). *Cognitive and perceptual processes in music and language sight reading*.
- †**Vines, Bradley, Ph.D.** (2001 - 2005). *Seeing Music: Integrating Vision and Hearing in the Perception of Musical Performances*. Dr. Vines is currently a post-doctoral fellow at University of British Columbia.
- Weigl, David** (Faculty of Education, 2010 - present, co-supervised with Dr. Catherine Guastavino).

II. Post-doctoral Fellows Supervised

- Chanda, Mona Lisa** (2010 - present). *Music as a moderator for pain in humans*.
- Guastavino, Catherine** (2003 - 2005). *Subjective evaluation of multi-modal interaction quality*. Dr. Guastavino is currently Assistant Professor of Library and Information Sciences at McGill University.
- Koulis, Theodore** (2005 - 2006, co-supervised with Dr. Jim Ramsay). *Functional data analysis models of psychoacoustic data*. Dr. Koulis is currently Assistant Professor of Statistics at the University of Manitoba.
- Nuzzo, Regina** (2002 - 2003, co-supervised with Dr. Jim Ramsay). *Functional data analysis and circular statistical methods for psychology*. Dr. Nuzzo is currently Assistant Professor of Mathematics and Statistics at Gallaudet University, Washington, D.C.

III. Masters Students Supervised

- Chabot, Martin** (2001 - 2002, co-supervised with Dr. Tony Marley). *Numerical cognition in Williams Syndrome*.
- Siddiqui, Mansoor** (2008 - present, co-supervised with Dr. Doina Precup). *Neural network extraction of musical genre features*. School of Computer Science, McGill University
- Zhang, Wen Wen** (2003 - 2004, co-supervised with Dr. Jim Ramsay). *Quantitative methods in psychology*.

IV. Ph.D. Examiner

- Ayotte, Julie** (2003). *Troubles spécifiques de la reconnaissance musicale chez des personnes avec ou sans lésion cérébrale*. External Examiner, Department of Psychology, University of Montreal.
- Blanchette, Isabelle** (2000). *An investigation of analogical retrieval and mapping in complex reasoning situations*. Department of Psychology, McGill University.
- Collin, Charles** (2000). *Face recognition*. Department of Psychology, McGill University.

- Forster, Leticia** (2003). *Exploring clinical applications of functional magnetic resonance imaging for memory*. Montreal Neurological Institute and Department of Psychology, McGill University.
- Gill, Tripat** (2002). *Composite products as conceptual combinations: issues of perception categorization and band evaluations*. Faculty of Management, McGill University.
- Golestani, Narly** (2001). *Phonetic learning abilities: Behavioural, neural functional and neuroanatomical correlates*. Montreal Neurological Institute and Department of Psychology, McGill University.
- Hussain, Gabriela** (2006). *The role of rate, pitch height and intensity in the perception and experience of affect: A music and speech evaluation*. University of Toronto, Department of Psychology. External examiner.
- Holowka De Belle, Siobhan** (2002). *The emergence of language: Origins, properties and processes*. Internal Examiner, Department of Psychology, McGill University.
- Martin, Geoffrey** (2001). *A hybrid model for stimulating diffused first reflections in two-dimensional acoustic environments*. Faculty of Music, McGill University.
- Rapus, Tanja** (2002). *Integrating information about mechanism and covariation in causal reasoning*. Internal Examiner, Department of Psychology, McGill University.
- Roy, Marguerite** (2001). *Comprehension and learning through multimedia: Integrative processing of text and illustrations*. External Examiner, Department of Educational and Counseling Psychology, McGill University.
- Russo, Frank** (2002). *Melodic expectancy*. Department of Psychology, Queens University. External Examiner.
- Thaiss, Laila** (2001). *A comparison of the role of the frontal cortex and the anterior temporal lobe in source memory and in the accurate retrieval of episodic information*. Montreal Neurological Institute and Department of Psychology, McGill University.
- Tomiuk, Daniel** (2005). *The impact of site-communality on the attitudinal and behavioural components of site-loyalty: A cross-sectional study*. Faculty of Management, Department of Information Systems, McGill University.
- Warrier, Catherine** (2001). *Neural correlates of pitch processing*. Montreal Neurological Institute and Department of Psychology, McGill University.

V. Member of Doctoral Committee

- Baetu, Irina**. (2002 - present). *Causal reasoning*. Department of Psychology.
- Boutet, Isabelle** (2001). *An investigation into the cognitive processes that mediate face perception*. Department of Psychology.
- Dandurand, Frédéric** (2002 - 2006). *Imitation learning in neural network models*. Department of psychology.
- Darredeau, Christine** (2002 - present). *Causal reasoning*. Department of Psychology.
- Holowka, Siobhan** (2002). *Auditory cortex and sign language*. Department of Psychology.
- Ilari, Beatriz** (2000 - 2003). *Development of music cognition in children*. Department of Music Education.
- Kovelman, Ioulia** (2000 - 2001). *Sign language*. Department of Psychology.
- Levesque, Vincent** (2004 - 2006). *Haptic interface for the exploration of tactile graphics*. Department of Electrical and Computer Engineering.
- Olive, Sean** (2001 - 2006). *Perception and Measurement of Spectral Distortions in Audio Devices*. Department of Music Theory.
- Pouliot, Sandra** (2000 - 2006). *Amygdala and memory*. Department of Psychology.

Thaiss, Laila (2001). *A comparison of the role of the frontal cortex and the anterior temporal lobe in source memory and in the accurate retrieval of episodic information*. Department of Psychology.

Thivierge, JP (2002 - 2006). *Neural network modelling*. Department of Psychology.

Usher, John (2001 - 2006). *Spatial sound perception*. Department of Music.

Von Hippell, Paul (1998). *Melodic expectation and gap-fill*. Department of Music, Stanford University.

Whitford, Veronica (2010 - present). *How individual differences in executive functioning modulate cross-language interference during bilingual reading: Evidence from eye movement recordings*. Department of Psychology.

VI. Doctoral Comprehensive Examination Examiner

Devarajan, Sridhar (2007). Program in Neurosciences, Stanford University.

Levesque, Vincent (2004). Department of Electrical and Computer Engineering.

Olive, Sean (2004 - 2005). Department of Music Theory, Sound Recording.

VII. Masters Thesis Examiner

Perez, Michael (2005). Redesigning the automated door attendant: a study of multimodal human-computer interaction for a public kiosk system. Department of Electrical and Computer Engineering.

VIII. Principal supervisor of a substantial research project while student was a doctoral candidate, but not supervisor of the student's dissertation

Chu, Lonny (2000). *Intermodal timing*. Dr. Chu is now a principal at Furiant Consulting, San Francisco.

Cole, Kristen (2002). *Williams Syndrome*.

Jensen, Eric (1996). *Intermodal timing*. Mr. Jensen is now working at Web TV.

Orton, Jennifer (1999). *Object formation*. Dr. Orton is now working at Excite.com.

Smith, Jennifer (1999). *Vowel perception*. Dr. Smith is now working at Pharmacillies Corp, Sunnyvale, CA.

IX. Supervisor of undergraduate thesis

Chapados, Catherine (2005). *Cross-modal interactions in the experience of expressive musical performances: Physiological correlates*. McGill University. Ms. Chapados is currently a doctoral student at the Montreal Neurological Institute.

Duan, Marie L. (2006). *Musical expressivity*. McGill University.

Finkelberg, Laura (2006). *Measures of musical aptitude*. McGill University.

Houlihan, Kathleen (2011). *Identification of familiar melodies from rhythm or pitch alone*. McGill University.

Hartshorn, Max (2006). *Electronic controllers for vibrato manipulation*. McGill University.

- Primiano, Sandra** (2005). *The effect of lexical ambiguity resolution on semantic interpretation in English monolinguals*. McGill University.
- Stern, Anne** (1994). *Pitch memory*. Stanford University. Ms. Stern is currently a research scientist at Hewlett-Packard.
- Stern, Daniel** (1995). *Resolution of pitch memory*. University of Oregon.
- Smith, Sam** (1995). *Perception of speech in reverberant environments*. University of Oregon.
- Smith, Scott** (1996). *Timing perception*. University of Oregon. Mr. Smith is currently a medical student at University of Vermont.
- Sullins, Phil** (1995). *Apparent motion*. University of Oregon.
- Vaudeville, Isabelle** (2008). *Perception of stretched musical scales*. McGill University. Ms. Vaudeville is currently a doctoral student in Clinical Psychology at University of Montreal.
- Ward, Jessica** (2003). *Dichotic perception and rhythm*. McGill University. Ms. Ward is currently a doctoral student at University of London.
- Weinstangel, Hannah** (2002). *Configural properties of melodies*. McGill University. Ms. Weinstangel is currently a student at University of Ottawa School of Medicine.
- Weinstangel, Hannah** (2005). *Long-term memory for musical keys*. McGill University. Ms. Weinstangel is currently a student at University of Ottawa School of Medicine.
- Wong, Sonwa** (1996). *Pitch memory*. University of Oregon. Ms. Wong is now the manager of an export business in Malaysia.
- Zimmerman, Rachel** (2008). *Subjective evaluation of audio quality*. McGill University.

X. Undergraduate Special Projects

UC Berkeley

Bari, Lisa (1999) *The resolution of pitch memory*, UC Berkeley.

Stanford University

- Barnes, Melynda** (1999). *Neuropsychology of music perception*.
- Cameron, Meghan** (2000). *Neuropsychology of music perception*.
- Craig, Yasmin** (1999 - 2000). *Music cognition*.
- Slinkard, Megan** (2000). *Music and Williams Syndrome*.

McGill University

- Bazarian, Armen** (2009 - present). *Music and pain perception*.
- Benn, Jenna** (2002). *Music industry internship supervision*.
- Bieszczad, Kasia** (2003 - 2004). *Williams Syndrome and music*.
- Carey, Brooke** (2003 - 2004). *Music cognition*.
- Coape-Arnold, Adam** (2001 - 2002). *Williams Syndrome and music*.
- Dalca, Ioana** (2001 - 2004). *Musical pitch and tonal languages*.
- Devost, Isabelle** (2002). *PDP models of memory*.
- Dolensky, Nicole** (2001 - 2004). *Neuropsychology of timbre and fMRI*.
- Elfassy, Nathaniel** (2007 - 2008). *Music cognition*.
- Flowers, Joey** (2006 - 2007). *Music cognition*.

- Himmelman, Carla** (2004 - 2005). *Congenital amusia, Williams Syndrome*.
Hussein, Nora (2001 - 2004). *Human-computer interaction*.
Kwong, Christine (2001 - 2003). *Musical pitch and tonal languages*.
Lear, Naomi (2002). *Educational psychology and failure in the classroom*.
Levy, Bianca (2006 - 2007). *Music cognition*.
M'Birkou, Sawsan (2002 - 2003). *Gesture and emotion in music*.
Miller, Aliza (2001 - 2002). *Human-computer interaction*.
Mingrone, Daniel (2006 - 2007). *Music cognition*.
Morelli, Vanessa (2006). *Music cognition*.
Morris, Laura (2003 - 2005). *Music cognition and memory*.
Mugenyi, Bianca (2002 - 2003). *Memory consolidation*.
Quintin, Eve-Marie (2003 - 2005). *Statistic: bilingual lexical access*.
Roberts, Meghan (2001). *Rhythm and melody perception* (NSERC Summer student).
Sabourin, Patrick (2002). *Semantic correlates of psychoacoustic features of the flute*.
Schaaf, Andrew (2005). *Reaction times and analysis of subjective measures*.
Thompson-Park, Vanessa (2006). *Music cognition*.
Vaudeville, Isabelle (2007 - 2008). *Music cognition*.
Weinstangel, Hannah (2001 - 2002). *Bi-stable visual illusions*.
Weinstangel, Ruben (2003 - 2004). *Music cognition*.

XI. Pro-Dean for Doctoral Defense

Graduate School of Library and Information Studies, McGill University, Ph.D. Defense,
Kwan Yi, October 1, 2004. "Text classification using a hidden Markov model."

MEMBERSHIPS AND ASSOCIATIONS

Acoustical Society of America
American Psychological Association
American Psychological Society
American Statistical Association
Audio Engineering Society
Canadian Internet Registration Authority
Cognitive Neuroscience Society
European Society for the Cognitive Sciences of Music (ESCOM)
Golden Key International Honor Society (honorary member)
International Computer Music Association (ICMA)
National Academy of Recording Arts and Sciences (Voting member)
Psi-Chi (National Honor Society in Psychology)
Psychonomic Society (Elected to membership, 2004)
Society for Music Perception and Cognition
Society for Research in Psychology of Music and Music Education

BUSINESS EMPLOYMENT, CONSULTING

- 2010 Consultant, Saatchi Wellness.
- 2010 Consultant, Digitas Health.
- 2006 Consultant, Bombardier Industries, Passenger Jet Acoustics.
- 2006-2009 Signal Match, Inc. (now d.b.a. Signal Patterns, Inc.).
- 2006-2007 Philips Consumer Electronics, London (UK) and Eindhoven (Netherlands).
- 2005-2006 Consultant, Intellectual Property, Apple Computer, Inc.
- 2004 Consultant, Sirius Satellite Radio.
- 2004-2005 Member, Board of Directors, SOPREF (Quebec independent record labels)
- 1999-2005 Member, Corporate Advisory Board. MoodLogic, Inc., San Francisco, CA.
- 1999-2001 Consultant, Pareto Partners, Portola Valley, CA.
- 1996-1998 Post-doctoral Research Fellow, Interval Research Corporation, Palo Alto, CA. Psychophysics, cognitive psychology, human factors.
- 1995 Consultant, United States Department of the Navy, Naval Underwater Weapons Center (NUWC) Research Laboratory, New London, CT.
Sound source separation in underwater applications.
- 1992-2002 Consultant, National Academy of Recording Arts and Sciences.
Recording science and technology.
- 1984-1989 415/Columbia Records, San Francisco, CA; New York, NY.
Staff Engineer, Arranger, Producer (1984 - 1985); Vice President, Artists & Repertoire (1985-1988), President (January - May, 1989). Sold to Sony Music.
- 1984 Consultant, Booz-Allen Hamilton Corporation, San Francisco, CA. Data Analysis, corporate organization.
- 1982-1996 President, Daniel Levitin Productions, Inc. San Francisco, Los Angeles, and New York. Clients included A&M Records, Hollywood Records, Miramax Films, RCA Records, Warner Brothers Records, Sony Music.
- 1982-1983 Manager, Strategic Planning, Pacific Telephone and Telegraph/AT&T. (known as Pacific Bell after 1983), San Francisco, CA.

MISCELLANEOUS

Produced and consulted on over 30 rock and popular music records, including Steely Dan, Stevie Wonder, The Carpenters. Awarded 14 gold and platinum records, Gold Medal at the Venice Film Festival, 1 Emmy. Projects nominated for two Academy Awards.

Live music performances with Mel Tormé, Nancy Wilson, David Byrne, The Steve Miller Band, Bobby McFerrin, Rosanne Cash, Victor Wooten, Rodney Crowell.

Worked as a stand-up comedian, won the National Lampoon Standup Comedy Competition Regional finals (1989), wrote jokes for Jay Leno and Arsenio Hall. Sometime co-author the Bizarro comic strip, running in 200 newspapers worldwide.

Over 800 Television, Radio, and Print interviews (separate list available on request) including BBC, CBC, PBS, NPR, *The New York Times*, *Newsweek*, *London Times*.

Daniel J. Levitin
Curriculum Vita Summary

Education

A.B. (with honors), Psychology and Cognitive Science, Stanford University, 1992
M.Sc., Cognitive Psychology, University of Oregon, 1993
Ph.D., Cognitive Psychology, University of Oregon, 1996

Current Position

James McGill Professor of Psychology and Neuroscience,
Department of Psychology, McGill University, Montreal, QC

Publications

Total publications in refereed journals: 48
Book chapters, other scientific publications: 59
Books: 4
Invited talks: 107
Colloquium Talks: 44
Conference presentations: 68

Student Supervision

Postdoctoral Fellows: 4
Graduate Students: 14
Doctoral Degrees Awarded: 7
Doctoral Examiner: 15
Undergraduate Honors Awarded: 17
Undergraduate Research Projects: 34