

Dr David Paul Ruttenberg

PhD, FRSA, FIoHE, AFHEA, HSRF

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Objective

PhD Neuroscientist, Senior Digital Innovation & Strategy Executive, and AI Ethics Thought Leader with ten foundational patents in human-computer interaction and assistive technologies for neurodivergent populations. As a 3x founder/CEO, I led Phoebe-X from concept to clinical validation and pending IP acquisition, while consulting with Fortune 500 companies and academic institutions on responsible AI deployment and digital transformation. A Fulbright Specialist and Honorary Senior Research Fellow at University College London, I leverage 30+ years of cross-sector leadership—from music production to neuroscience—to accelerate inclusive innovation that maximizes quality of life for diverse communities.

Education

University College London and University Cambridge, PhD Neuroscience & AI Cognitive Neuroscience, Artificial Intelligence, and Multimodal Learning Analytics Faculty of Education & Institute of Neuroscience Supervisors: K. Porayska-Pomsta (UCL), S. White (UCL), J. Holmes (Cambridge)	2025
University College London and University Cambridge, MPhil Neuroscience & AI Cognitive Neuroscience, Artificial Intelligence, and Multimodal Learning Analytics Faculty of Education & Institute of Neuroscience	2019
University of Miami, BSEE, BM, Electrical and Music Engineering Founder and President of Audio Engineering Society	1986
George Washington University, BSEE, Electrical and Music Engineering Architect of University's Premiere Electronic Music Studio	1983

Post Doctoral Experience

National Institutes of Health <ul style="list-style-type: none">Scientific Review Board, Autism Data Science Initiative (ADSI)SBIR/STTR Psychopathology and Mental Health Interventions Council	2025-2027
U.S. Department of State <ul style="list-style-type: none">Fulbright Specialist, Educational, Cultural Affairs and World Learning	2024-2027
Florida Atlantic University <ul style="list-style-type: none">Chairman of the Board, Center for Autism and Related DisabilitiesGovernance Committee & Board Member, Center for Autism and Related Disabilities	2018-2027
University College London <ul style="list-style-type: none">Honorary Senior Research Fellow, Culture, Communication & Media ProgrammeUniversity Trustee, Governance Board Member, and Graduate RepresentativeLecturer, PGTA, Associate Professor, Master Students Digital Media ProgramLecturer & Content Developer, Doctoral Students EdD ProgramMentor & Laboratory Leader, Graduate Students	2018-2028
University College London Institute of Healthcare <ul style="list-style-type: none">Subject Matter Expert and Lecturer/Program Developer	2021-2023
United Kingdom Local Government Association <ul style="list-style-type: none">Subject Matter Expert, Lecturer, and Multimedia Developer in England and Wales	2022-2023
United Kingdom Parliament <ul style="list-style-type: none">Subject Matter Expert Parliament Office of Science & Technology	2021-2022

Professional Experience

Phoeb-X, Inc. <ul style="list-style-type: none">• Founder, CEO, Chairman of the Board• 10 patents for AI wearables/apps, multiple clinical trials, \$2M+ in NIH grants• Drove business decisions and reduced operational costs• Pursuing Patent, Research, Hardware and Software Portfolio Merger/Acquisition	2022-Present
Amazon, Inc. <ul style="list-style-type: none">• Best Selling Author• Textbook, e-book, Audible & courses at Udemy.com	2017-2022
Polar Boehme, Inc. <ul style="list-style-type: none">• Founder & Chief Scientist• Clinical & digital music therapeutics generated \$2M+/yr• GRAMMY Producer/Engineer• 100+ CD titles, broadcasts, film/theater	1988-2019
Various Global Universities <ul style="list-style-type: none">• Visiting Lecturer• AI, business, production, neuroscience	1986-Present
GATE International, Inc. <ul style="list-style-type: none">• Co-Founder/President• .com consultancy, P/L, Admin, Global team, \$5-15M sales/yr	1990-2001
Intertec Publishing <ul style="list-style-type: none">• Marketing Manager & Author• B2B Publication and ad revenue of \$75M/yr	1988-1990
NEOTEK & Otari Corp. <ul style="list-style-type: none">• VP Sales & Marketing Manager• P/L, forecasting, and professional audio manufacturing custom equipment of \$150M/yr	1985-1987

Fellowships

Honorary Senior Research Fellow – University College London (HSRF)	2025-2028
Royal Society for the Arts, Manufactures & Commerce (FRSA) Full Fellow	2021-Present
UCL Institute of Healthcare Engineering (FloHE) Full Fellow	2021-Present
Higher Education Academy, United Kingdom (AFHEA) Associate Fellow	2020-Present

Affiliated Laboratories

University College London: Culture, Communication & Media Lab (CCM)	2025-2028
University College London: The Knowledge Lab (KL)	2018-2025
University College London: Developmental Diversity Lab (DevDivLab)	2019-2025
University of Cambridge: Cognition Emotion & Edu Lab (CEE)	2019-2024
University of Cambridge: Centre for Attention, Learning and Memory (CALM)	2019-2024

Professional Affiliations

Janus Innovation Hub: Empowering Autism Innovation (4x Mentor)	2025-Present
Multiple Hub: Autism x Workforce Development Accelerator	2024-2025
Association for Computing Machinery & Human Interaction	2024-Present
Experimental Psychology Society	2020-Present
GRAMMYS, National Academy of Recording Arts & Sciences	2008-Present
Record Industry Association of America	2000-2021
American Federation of Musician Union	2000-2019
Broadcast Music International—Composer and Publisher	1986-Present
Society of Motion Picture and Television Engineers	1986-2000
National Association of Broadcasters	1986-2000
Audio Engineering Society	1984-2000

Patents

- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. **U.S. Patent US-12,208,213 B2 issued 28 January 2025.**
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. Japanese International Patent Number JP2025500073A publication filing 7 January 2025.
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. Japanese International Patent Number JP2024537918A publication filing 16 October 2024.
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. European Patent Office International Number EP4396842A1 publication filing 10 July 2024.
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. European Patent Office International Number EP4380437A1 publication filing 12 June 2024.
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. World Intellectual Property Organization Patent Number WO2023034347A1 publication filing 6 June 2024.
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. **U.S. Patent US-US-11779275 B2 issued 10 October 2023.**
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. World Intellectual Property Organization Patent Number WO2023015013A1 publication filing 9 February 2023.
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. Canadian International Patent Number CA3230610A1 publication filing 9 February 2023.
- Ruttenberg, D. 2025. Multi-sensory, assistive wearable technology, and method of providing sensory relief using same. Canadian International Patent Number CA3228053A1 publication filing 9 February 2023.

Awards and Honors

Marquis Who's Who: Albert Nelson Marquis Lifetime Achievement Award	2024
NARAS/GRAMMY: Pre-GRAMMY Nomination, Engineering/Non-classical	2009
NARAS/GRAMMY: Pre-GRAMMY Nomination, Producer-of-the Year	2007
NARAS/GRAMMY: Pre-GRAMMY Nomination, World Music	2007
South Florida Business Journal: Top 3 Entrepreneur of the Year	1999
Audio Engineering Society: Founding President Award	1995

Grants

National Institutes of Health, Grant Application In Process (December 2024). SensorAble (TM): A Wearable System to Mitigate Sensory Overload, Reduce Anxiety and Fatigue, and Enhance Engagement for Autistic Adults in Work, Academic, and Social Environments. GRANT14239521. (Budgeted for \$2,032,312.00, Denied due to Trump Administration/DOGE).

Phoeb-X, Inc. (2022-2025). Seed Round Financing for US and WPO patent application, prosecution, and granting of Inairi software app and prototype headset development. (Reward \$900,000.00).

UCL Institute of Healthcare Engineering Grant, (2022). Local Government Association (LGA) Multimedia Presentation for Invisible Differences and Related Technologies (Rewarded £5,000.00).

Patient Participation Information Study (PPI), 2020. The SensorAble project on Adaptive Wearable Appropriateness as an Autistic intervention. The National Institute for Health Research (NIHR) in conjunction with a partnership between UCL, University College London Hospitals Biomedical Research Centre and the NHS Foundation Trust (reference: BRC743/DR 104990). £400.00.

Graduate Teaching—PhD and Master Students (Classroom)

Florida Atlantic University (24 hrs/semester) <ul style="list-style-type: none">Visiting Prof. Sensory, Attention and Mental Health Mediations	2024-2025
University College London (60 hrs/annually) <ul style="list-style-type: none">Associate Professor & PGTA Digital Media, UCL Master Program	2020-2021
University College London (60 hrs/annually) <ul style="list-style-type: none">PGTA Ethics and Content Developer, EdD Program	2020-2021
University College London (25 hrs/semester) <ul style="list-style-type: none">PGTA Doctoral graduates in the knowledge economy	2019-2022
Florida Atlantic University (24 hrs/semester) <ul style="list-style-type: none">Guest lecturer audio engineering, production, review and analysis	2013-2022

Graduate Teaching—Undergraduate Students (Classroom)

University Texas Austin & St. Edwards University <ul style="list-style-type: none">Visiting lecturer, School of Behavioral Neuroscience and Social Sciences	2025-2026
Florida Atlantic University (6 hrs/semester) <ul style="list-style-type: none">Guest lecturer, audio engineering, production and career planning	2013-2022
Florida Atlantic University (4 hrs/semester) <ul style="list-style-type: none">Guest lecturer, production techniques, review and analysis	2013-2022
University of Miami (35 hrs/semester) <ul style="list-style-type: none">Guest lecturer, transducer theory, design and implementation	2000-2020
Dade College (35 hrs/semester) <ul style="list-style-type: none">Guest lecturer workstation design, implementation and deliverables	2000-2020

Dade College (8 hrs/semester)	1996-2020
<ul style="list-style-type: none"> • Guest lecturer Recording studio acoustics, and design 	
Florida Atlantic University (16 hrs/semester)	1996-2020
<ul style="list-style-type: none"> • Guest lecture, circuit theory in the modern recording studio 	
Florida Atlantic University (12 hrs/semester)	1996-2020
<ul style="list-style-type: none"> • Guest lecture composition, analog recording, and studio design 	
Dade College (12 hrs/semester)	1993-2020
<ul style="list-style-type: none"> • Visiting Professor of acoustics, design, analog, digital and hybrid systems 	
Polar Boehme, Inc. (1,500+ hours/annually)	1988-2019
<ul style="list-style-type: none"> • MIDI, analog recording, circuit design, business practices 	
George Washington University (36 hrs/semester)	1981-1983
<ul style="list-style-type: none"> • PGTA electronic synthesis, analog, digital and hybrid architectures 	

Publications

Academic Journals

- Ruttenberg, D.P. (2026). You Must Not Fool Yourself: Feynman, Neurodiversity, and Honest AI in Digital Mental Health. Manuscript submitted for publication.
- Ruttenberg, D.P. (2026). Neurodivergent Expertise in AI-Augmented Knowledge Work: Cognitive Debt, Reflective Scaffolding, and the Redesign Imperative. Manuscript submitted for publication. https://doi.org/10.31234/osf.io/yp4ru_v1
- Ruttenberg, D.P. (2026). Cognitive Debt: The Cumulative Cognitive Cost of AI-Augmented Knowledge Work. Manuscript submitted for publication. https://doi.org/10.31234/osf.io/yhvec_v1
- Ruttenberg, D.P. (2026). Developmentally Aligned Design: A Three-Layer Framework for Neurodiversity Accommodation in AI Research Tools. Manuscript submitted for publication. https://doi.org/10.35542/osf.io/nbgvh_v1
- Ruttenberg, D.P. (2026). Cognitive Debt in AI-Augmented Research: Evidence from Neuroscience and Implications for Knowledge Production. Manuscript submitted for publication. https://doi.org/10.31234/osf.io/8hbp9_v1
- Ruttenberg, D.P. (2026). Designing Ethical Wearable Accommodations Across Sensory, Attention, and Mental Health Domains. Manuscript submitted for publication. https://doi.org/10.31235/osf.io/pu6r4_v1
- Ruttenberg, D.P. (2026). The AIR Framework for Research Transparency: A Critical Analysis of Stage-Specific AI Disclosure in the Context of Accessibility and Research Integrity. Manuscript submitted for publication. https://doi.org/10.35542/osf.io/ruqgh_v1
- Ruttenberg, D. P., White S.J., Holmes, J., and Porayska-Pomsta, K. (2026). Designing Personalised Sensory Prosthetics for Autistic Adults: Participatory Design Principles and Wizard-of-Oz Validation. Manuscript submitted for publication.
- Ruttenberg, D. P., White S.J., Holmes, J., and Porayska-Pomsta, K. (2026). Testing the sensory sensitivity-mental health-distractibility (S²MHD) mediation model in autistic adults: Extending attention theory through mixed-methods investigation. Manuscript submitted for publication.
- Ruttenberg, D. (2025). Towards technologically enhanced mitigation of autistic adults' sensory sensitivity experiences and attentional, and mental wellbeing disturbances. Thesis Submitted in Fulfilment of the Requirements for the Degree of Doctor of Philosophy. University College London. 1-828. <https://doi.org/10.13140/RG.2.2.16142.27201>
- Ruttenberg, D. P. (2023, April 9). Safeguarding Autistic Adults Who Use Technology. <https://www.local.gov.uk/>. <https://doi.org/10.17605/OSF.IO/5PJRV>
- Ruttenberg, D., Rivas, C., Kuha, A., Moore, A., ...Sotire, T. (2023, January 12). Invisible Disabilities in Education and Employment. United Kingdom Parliamentary Office of Science and Technology POSTnote., (689), 1-23. <https://post.parliament.uk/research-briefings/post-pn-0689/>
- Al Haj Sleiman, N., Florén, H., Ruttenberg, D.P. (2023). Best or Better Practice(s)? Toward a Better Future of Policy, Leadership, Teaching, and Inclusive Student Learning. Pre-print.

Ruttenberg, D., Porayska-Pomsta, K., White, S., & Holmes, J., PhD. (2020, May 3). Sound Impairment Effect on Cognitive Skill Performance. <https://doi.org/10.31219/osf.io/fng7d>

Ruttenberg, D., Porayska-Pomsta, K., White, S., & Holmes, J., PhD. (2020, May 3). PPI Questionnaire on Adaptive Wearable Appropriateness as an Autistic Intervention. <https://doi.org/10.31219/osf.io/a3jzbz>

Ruttenberg, D., Porayska-Pomsta, K., White, S., & Holmes, J., PhD. (2020, May 3). In Defence of ML/CNN for the SensorAble Research Project. <https://doi.org/10.31219/osf.io/4y2hp>

Ruttenberg, D., Porayska-Pomsta, K., White, S., & Holmes, J., PhD. (2020, May 14). Refining the ML/DL Argument for the SensorAble Project. <https://doi.org/10.31219/osf.io/nrtz9>

Opinion Pieces and Editorial Contributions

Ruttenberg, D. (2025, April 24). Opinion: Kennedy's Dangerous Autism Claims. The New York Times. <https://www.nytimes.com/2025/04/24/opinion/kennedy-autism.html>

Ruttenberg, D. (2025, April 18). Opinion: RFK Jr.'s Claims About Autism Being an 'Epidemic' Are Harmful. The Miami Herald. <https://www.miamiherald.com/opinion/letters-to-the-editor/article304284081.html>

Best-selling books, digital media, and electronic courseware

Ruttenberg, D., 2018. *The Music Career You Don't Have...Yet!* Paperback, Amazon/PBMI Publishing.

Ruttenberg, D., 2018. *The Music Career You Don't Have...Yet!* E-Book, Amazon/Apple/PBMI Publishing.

Ruttenberg, D., 2018. *The Music Career You Don't Have...Yet!* Audible Book, Amazon/PBMI Publishing.

Ruttenberg, D., 2018. *The Music Career You Don't Have...Yet!* Online Courses, Udemy/PBMI Publishing.

Ruttenberg, D., 2025. *David Ruttenberg Blog*. davidruttenberg.com/blog.

Ruttenberg, D., 2025. *Beyond Barriers: The Neurodivergent's Podcast*. davidruttenberg.com/podcast.

Technical journals, business to business publications, and reviews

Ruttenberg, D., Jan 1992. Hands On Technical Review: Peavey DPMSX. *Recording-Engineer-Producer Magazine*. 12(1): 54-5

Ruttenberg, D., Jan 1992. Hands On Technical Review: Peavey DP3SE. *Recording-Engineer-Producer Magazine*. 12(1): 3

Ruttenberg, D., October 1991. Fresh Tracks Review: Dianne Reeves "I Remember". *Recording-Engineer-Producer Magazine*. 10(1): 14

Ruttenberg, D., September 1991. Fresh Tracks Review: Crowded House "Woodface". *Recording-Engineer-Producer Magazine*. 9(1): 12

Ruttenberg, D., September 1991. Technical Review ART 19" Digital Guitar Rack Effects. *Recording-Engineer-Producer Magazine*. 3(1): 37-42

Ruttenberg, D., September 1991. Fresh Tracks Review: Bob Sheppard "Tell Tale Signs". *Recording-Engineer-Producer Magazine*. 9(1):12

Ruttenberg, D., July 1991. Fresh Tracks Review: Lenny Kravitz "Mamma Said". *Recording-Engineer-Producer Magazine*. 7(1): 12

Ruttenberg, D., July 1991. Fresh Tracks Review: Todd Rundgren "2nd Wind". *Recording-Engineer-Producer Magazine*. 7(1):12

Ruttenberg, D., July 1991. Fresh Tracks Review: Gil Goldstein "City of Dreams". *Recording-Engineer-Producer Magazine*. 7(1): 16

Ruttenberg, D., July 1991. Fresh Tracks Review: Ricky Peterson "Night Watch". *Recording-Engineer-Producer Magazine*. 7(1):17

Ruttenberg, D., June 1991. Fresh Tracks Review: Joni Mitchell "Night Ride Home". *Recording-Engineer-Producer Magazine*. 6(1): 14

Ruttenberg, D., June 1991. Fresh Tracks Review: Traut/Rodby "The Duo Life". *Recording-Engineer-Producer Magazine*. 6(1): 12 p 16

Ruttenberg, D., April 1991. Fresh Tracks Review: Sting "The Soul Cages". *Recording-Engineer-Producer Magazine*. 4(1): 16

- Ruttenberg, D., June 1991. Fresh Tracks Review: Gloria Estefan "Into The Light". *Recording-Engineer-Producer Magazine*. 6(1): 14
- Ruttenberg, D., June 1991. Fresh Tracks Review: Bobby Short: "Bobby Short is K-Ra-Z for Gershwin". *Rec-Eng-Producer Magazine*. 6(1): 16
- Ruttenberg, D., June 1991. Fresh Tracks Review: The Rembrandts "The Rembrandts". *Recording-Engineer-Producer Magazine*. 6(1): 16
- Ruttenberg, D., March 1991. Fresh Tracks Review: The Phil Woods Quintet + One: "Flash". *Recording-Engineer-Producer Magazine*. 3(1): 14
- Ruttenberg, D., March 1991. Fresh Tracks Review: Lew Tabackin Quarter: "Desert Lady". *Recording-Engineer-Producer Magazine*. 3(1): 16
- Ruttenberg, D., January 1991. Fresh Tracks Review: Toy Matinee "Toy Matinee". *Recording-Engineer-Producer Magazine*. 1(1): 16
- Ruttenberg, D., January 1991. Fresh Tracks Review: Sandy Kovacs & Shany Synagogue: "Liturgy of Doney". *REP Magazine*. 1(1):16
- Ruttenberg, D., December 1990. Fresh Tracks Review: Michael Hedges "Taproot". *Recording-Engineer-Producer Magazine*. 12(1): 16
- Ruttenberg, D., December 1990. Fresh Tracks Review: Careras-Domingo-Pavaroti: "Careras-Domingo-Pavaroti". *REP Magazine*. 12(1): 20
- Ruttenberg, D., November 1990. Fresh Tracks Review: George Michael "Listen Without Prejudice". *REP Magazine*. 11(1): 22
- Ruttenberg, D., November 1990. Fresh Tracks Review: Soul Asylum "And the Horse They Rode In On". *REP Magazine*. 11(1): 22
- Ruttenberg, D., October 1990. Fresh Tracks Review: Mariah Carey "Vision of Love". *Recording-Engineer-Producer Magazine*. 10(1): 14
- Ruttenberg, D., October 1990. Fresh Tracks Review: Tony Bennett and Bill Evans "The Tony Bennett/Bill Evans Album". *REP*. 10(1): 14
- Ruttenberg, D., October 1990. Fresh Tracks Review: Prince "Graffiti Bridge". *Recording-Engineer-Producer Magazine*. 10(1): 14
- Ruttenberg, D., September 1990. Fresh Tracks Review: The Time "Pandemonium". *Recording-Engineer-Producer Magazine*. 9(1): 20
- Ruttenberg, D., September 1990. Fresh Tracks Review: Harry Connick Jr, "We Are In Love". *Recording-Engineer-Producer Magazine*. 9(1): 20
- Ruttenberg, D., August 1990. Fresh Tracks Review: Michael Franks "Blue Pacific". *Recording-Engineer-Producer Magazine*. 8(1): 16
- Ruttenberg, D., August 1990. Fresh Tracks Review: Jeff Lynne "Armchair Theatre". *Recording-Engineer-Producer Magazine*. 8(1): 16
- Ruttenberg, D., June 1990. Fresh Tracks Review: Vonda Shepherd "Vonda Shepherd". *Recording-Engineer-Producer Magazine*. 6(1): 16
- Ruttenberg, D., June 1990. Fresh Tracks Review: Luciano Pavarotti "Tuto Pavarotti". *Recording-Engineer-Producer Magazine*. 6(1): 18
- Ruttenberg, D., April 1990. Fresh Tracks Review: Ofra Haza "Desert Wind". *Recording-Engineer-Producer Magazine*. 4(1): 18
- Ruttenberg, D., April 1990. Fresh Tracks Review: Basia "London Warsaw New York". *Recording-Engineer-Producer Magazine*. 4(1): 18
- Ruttenberg, D., March 1990. Fresh Tracks Review: Janet Jackson: RhythmNation1814. *Recording-Engineer-Producer Magazine*. 3(1): 10
- Ruttenberg, D., March 1990. Fresh Tracks Review: Stevie Ray Vaughn & Double Trouble "In Step". *REP Magazine*. 3(1): 12

Ruttenberg, D., November 1985. Technical Review: Soundcraft Recording Console. *MIX Magazine*. 11(2): p 77-82

Ruttenberg, D., April 1984. Technical Review: Hafler Professional Amplifier. *MIX Magazine*. 4(1): p 77-82

Discography and sound recordings

Ruttenberg, D., November 2021. Earle Whittington "Hits". EWW Records. Producer/Engineer/Arranger.

Ruttenberg, D., November 2019. Josh Abrams "Music For Cars". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., July 2018. Amanda Basalyga "Manders". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., April 2017. Sofia Brown "Pop Tartlet". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., December 2017. Maria Carruba "Religious Songs". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., April 2017. Christine DeCara "Hits". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., April 2017. Jaimie Sprouls "I Don't Owe You Jack". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., December 2017. Lisa Wheeler "Christmas Songs Volume 2". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., June 2016. Cara Harpest "CH". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., April 2016. Blair Nadel "Whole Hearted". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., November 2016. Linda Saraniti "Originals". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., May 2016. Scott Walters "Saturday Sessions". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., December 2016. Lisa Wheeler "Christmas Songs". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., April 2015. Melissa Knoop "Knoop". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., May 2015. Rick Kupfer "Destinations". PBMI Records. Producer/Engineer.

Ruttenberg, D., February 2014. Sandra Cohen "Mix Tapes". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., January 2014. Jack Feldman "Songs From The Ghetto". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., July 2013. Jeff Berlin "Low Standards". Random Act Records. Producer/Engineer.

Ruttenberg, D., May 2013. Lizzie Sider "Lizzie". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., March 2013. Stacey Graef "Daddy's Little Girl". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., April 2013. Lisa Pesiri "Lisa Pesiri". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., July 2013. Robin Severin "Wreckage". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., August 2013. Sharon Shear "Songs For Kids". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., January 2012. Corrine Firestone "Corrine". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., March 2012. Scott Rogers "Mindfulness". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., July 2012. Brian Smith "American Standard". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., February 2011. Kayye "Better Than You". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., September 2011. Neshamah Institute "High Holidays CD". PBMI Records.
Producer/Engineer/Arranger.

Ruttenberg, D., July 2010. Jeff Berlin "High Standards". KING Records/MAJ. Producer/Engineer.

Ruttenberg, D., July 2010. Sarah Caldicott "Tibetan Bowl Songs". PBMI Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., February 2010. Ryan Campioganni "Originals". PBMI Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., October 2010. Larry Lambert "Originals". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., April 2010. Oasis "Oasis Pop CD Volume IX #5". Oasis Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., April 2010. Roger Petersen "Colliding". Conspirar Records. Producer/Engineer.

Ruttenberg, D., May 2010. Jeremy Tache "The Other JT". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., March 2010. Sami Witness "Closer". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., April 2009. Grant Alexander "Grant Alexander". PBMI Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., April 2009. Jessie B. "Playboy's Apology". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., March 2009. Navaka Fernando "New Beginnings". PBMI Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., July 2009. A Scarlett Horror "ASH". Universal Music Group. Producer/Engineer/Arranger.

Ruttenberg, D., October 2008. Intentional Rhythm Foundation "Do You Love You". PBMI Recs..
 Producer/Engineer/Arranger.

Ruttenberg, D., October 2009. Rachel Balee "Broadway Bound". PBMI Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., September 2009. Samantha Behrman "Sammy". PBMI Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., March 2009. Doren "Doren Rocks". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., June 2009. Sara Grant "Sara Grant". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., August 2009. PMR "PMR Studio Sampler". Oasis Records. Producer/Engineer/Arranger.

Ruttenberg, D., August 2009. Sarena "We Are The Kids". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., February 2008. Soraya Abtahi "Think". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., December 2007. Beth Adams "Love Songs". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., November 2008. Allen Eida "Allen Eida Project". PBMI Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., July 2007. Scott Angel "Burning Up Inside". PBMI Records. Producer/Engineer.

Ruttenberg, D., July 2007. Steve Christie "Permanent Blue". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., July 2007. Alison Mattek "Alison Mattek". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., November 2007. Oasis "Oasis Jazz Sampler Volume 6". Oasis Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., November 2007. Oasis "Oasis Jazz Sampler Volume 7". Oasis Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., July 2007. Jill Palmer "My Love". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., May 2007. Roger Petersen "Rise". Conspirar Records. Producer/Engineer.

Ruttenberg, D., November 2006. Ann Turnoff "Shabbat Ahead". TBE Records. Producer/Engineer.

Ruttenberg, D., April 2005. David Ruttenberg "Sunset Key". PBMI Records. Producer/Engineer/Arranger.

Ruttenberg, D., February 2005. Gina Stano "This Time Around". PBMI Records.
 Producer/Engineer/Arranger.

Ruttenberg, D., September 2004. Skye Dyer "Is It Love". PBMI Records. Producer/Engineer/Arranger.

- Ruttenberg, D., December 2004. Jenny Averbrook "Crisis of Identity". PBMI Records. Producer/Engineer/Arranger.
- Ruttenberg, D., September 2003. Eric Marienthal "Got You Covered" You. Peak Records. Producer/Arranger.
- Ruttenberg, D., August 2003. Stan Bass "Songs of Shalom". PBMI Records. Producer/Engineer/Arranger.
- Ruttenberg, D., August 1992. Luke "I Got S—t On My Mind". Capstone Records. Engineer.
- Ruttenberg, D., June 1992. Luke "I Got Sumthin' On My Mind". Capstone Records. Engineer.
- Ruttenberg, D., July 1990. H-Town "Lick You Up". Skywalker Records. Billboard #21. Producer.
- Ruttenberg, D., July 1989. Anquette "I Will Always Be There For You". Skywalker Records. Billboard #76. Producer.

Conference Paper Presentations

- Ruttenberg, David (2025, March). Multiple. Autism x Workforce Development Accelerator: Demo Day. San Francisco, CA, USA. <https://youtu.be/gFdx2FDEmdk>.
- Ruttenberg, David (2024, October). Sensory, attention, and mental health accommodations for autistic adults: a technological patient and public involvement study. Florida Atlantic University ASD & Mental Health Task Force, Palm Beach, FL, USA. <https://youtu.be/8YsEiUXHNvU>.
- Ruttenberg, David (2023, September). Conference Panel Chair: Multimodality and Future Landscapes: Meaning Making, AI, Education, Assessment, and Ethics. *Presented at ICOM-11: 27 September, 2023*. In-person and online from University College London, United Kingdom. <https://youtu.be/cK2W8tpCoOU>.
- Ruttenberg, David (2023, March). Poster Presentation: Sensory, attention, and mental health interventions for autism: a technological patient and public involvement study. *Presented at ITAKOM 2023: 13-14 March, 2023*. In-person and online from Edinburgh International Conference Centre, Edinburgh, Scotland, United Kingdom.
- Ruttenberg, David (2023, January). Paper: Sensory, attention, and mental health interventions for autism: a technological patient and public involvement study. *Presented at the Experimental Psychology Society*. 4-6 January, 2023. In-person and online from University College London, London, United Kingdom. <https://youtu.be/fX05JXjUDSk>.
- Ruttenberg, David (2022, May). Engineering technologies that help people overcome sensory sensitivity at school, employment and social venues. *UCL Institute of Healthcare Engineering Science Showcase*. 17 May 2022. Online from University College London, London, United Kingdom. <https://youtu.be/7nCNCJe-zFM>.
- Ruttenberg, David (2020, June). Artificial Intelligence for Decision Support. *Presented at the Artificial Intelligence for Prostate Cancer Workshop (AI4PCa) 2020*. 18-26 June, 2020. University College London & University of Toronto (online). London, United Kingdom. <https://www.youtube.com/watch?v=KtZr5JoG2CY&t=39s>.
- Ruttenberg, David (2020, June). The SensorAble Project—A multi-sensory, assistive technology that filters distractions and increases focus for individuals diagnosed with Autism Spectrum Condition. *Presented at the Centre for Doctoral Education Summer Conference 2020 (CDE) 2020*. 25-26 June, 2020. Online/University College London. London, United Kingdom.

Invited Talks

- Ruttenberg, David (2025, October). Neurotech Frontiers, Vanderbilt University, Nashville, TN, USA.
- Ruttenberg, David (2025, March). Multiple.Org: Autism Accelerator x Workforce Day: Phoebe-X and Inairi App. San Francisco, CA, USA.
- Ruttenberg, David (2024, October). SensorAble Training: Luncheon and Learn. Florida Atlantic University: Hearing Tinnitus Balance Research Laboratory. Boca Raton, FL, USA.

- Ruttenberg, David (2023, September). Multimodality and Future Landscapes: Meaning Making, AI, Education, Assessment, and Ethics. University College London, United Kingdom.
- Ruttenberg, David (2023, March). Sensory, attention, and mental health interventions for autism: a technological patient and public involvement study. Edinburgh International Conference Centre, Edinburgh, Scotland, United Kingdom.
- Ruttenberg, David (2023, January). Sensory, attention, and mental health interventions for autism: a technological patient and public involvement study. Experimental Psychology Society; University College London, London, United Kingdom.
- Ruttenberg, D. (2022, December). SensorAble Project: Public Participation Information Results. Developmental Diversity Lab Presentation, Institute of Cognitive Neuroscience, University College London, London, UK.
- Ruttenberg, D. (2021, November). SensorAble Project: SART, WoZ and Sensory Intervention Testing. Developmental Diversity Lab Presentation, Institute of Cognitive Neuroscience, University College London, London, UK.
- Ruttenberg, D. (2021, October). SensorAble Project: Public Participation Information Updates and Wearable Testing. Cognition Emotion and Education Lab (CEE) within the Centre for Attention Learning and Memory (CALM) at the Medical Research Council's Cognition and Brain Sciences Unit at University of Cambridge (CBU), Cambridge, UK.
- Ruttenberg, D. (2021, March). SensorAble Project: Sensory, Attention and Anxiety Markers in the SensorAble Research Project. Cognition Emotion and Education Lab (CEE) within the Centre for Attention Learning and Memory (CALM) at the Medical Research Council's Cognition and Brain Sciences Unit at University of Cambridge (CBU), Cambridge, UK.
- Ruttenberg, D. (2021, February). Asset Production and Sound Design Lecture with Online Exercises. University College London, Institute of Education, Masters Programme in Digital Media, London, UK.
- Ruttenberg, D. (2020, October). SensorAble Project: Introduction and Current Research Update. Cognition Emotion and Education Lab (CEE) within the Centre for Attention Learning and Memory (CALM) at the Medical Research Council's Cognition and Brain Sciences Unit at University of Cambridge (CBU), Cambridge, UK.
- Ruttenberg, D. (2020, June). SensorAble Project: Research Update on Participant Public Information Study. Board of Directors Meeting, Center for Autism and Related Disabilities, Florida Atlantic University, Boca Raton, FL, USA.
- Ruttenberg, D. (2020, June). SensorAble Project: Research Update on Participant Public Information Study. Developmental Diversity Lab Presentation, Institute of Cognitive Neuroscience, University College London, London, UK.
- Ruttenberg, D. (2020, January). Cognitive Enhancers, Artificial Intelligence and Convolutional Neural Networks: Developmental Diversity Lab Presentation, Institute of Cognitive Neuroscience, University College London, London, UK.
- Ruttenberg, D. (2019, November). A Multi-Sensory Technology That Filters Distractions, Lessen Anxiety and Increase Focus for Individual With Autism: Developmental Diversity Lab Presentation, Institute of Cognitive Neuroscience, University College London, London, UK.
- Ruttenberg, D. (2019, November). Autism: Early Childhood Conference Panel. Lifelong Learning Center and Center for Autism and Related Disabilities, Florida Atlantic University, Jupiter, FL, USA.
- Ruttenberg, D. (2019, July). Keynote: Newly Diagnosed Parents of Autistic Children. Center for Autism and Related Disabilities, Florida Atlantic University, Boca Raton, FL, USA.
- Ruttenberg, D. (2018, October). Autism: College Connecting Conference Panel. Lifelong Learning Center and Center for Autism and Related Disabilities, Florida Atlantic University, Jupiter, FL, USA.
- Ruttenberg, D. (2018, August). Keynote: Audio Engineering & Career Planning, Dorothy F. Schmidt College of Arts and Letters—Commercial Music Program, Florida Atlantic University, Boca Raton, FL, USA.
- Ruttenberg, D. (2017, December). Audio Engineering Listening Panel, Dorothy F. Schmidt College of Arts and Letters— Commercial Music Program, Florida Atlantic University, Boca Raton, FL, USA.

- Ruttenberg, D. (2017, March). Audio Engineering Production Panel, Dorothy F. Schmidt College of Arts and Letters— Commercial Music Program, Florida Atlantic University, Boca Raton, FL, USA.
- Ruttenberg, D. (2016, February). MIT Enterprise Florida Presentation, Massachusetts Institute of Technology, Miami, FL, USA.
- Ruttenberg, D. (2014, October). Audio Engineering Production Panel, Dorothy F. Schmidt College of Arts and Letters— Commercial Music Program, Florida Atlantic University, Boca Raton, FL, USA.
- Ruttenberg, D. (2013, December). Audio Engineering, Film, Television and Digital Production, Miami Date College, Miami, Florida, USA.
- Ruttenberg, D. (2005, November). Music Undergraduate Engineering Master Class, University of Miami, Coral Gables, Florida, USA.
- Ruttenberg, D. (1999, October). Music Undergraduate Engineering Master Class/Lecture, University of Miami, Coral Gables, Florida, USA.
- Ruttenberg, D. (1986, December). Music Undergraduate Engineering Master Class/Lecture, University of Miami, Coral Gables, Florida, USA.
- Ruttenberg, D. (1985, March). Music Undergraduate Engineering Master Class/Lecture, University of Miami, Coral Gables, Florida, USA.

Advising and Mentoring Roles

Entrepreneurial Organizations and Accelerator Hubs

Aspiritech.org
Care Well
Frist Center for Autism and
Innovation @ Vanderbilt
ImproVRise
Janus Innovation Hub
LaunchPad
Mindly Care
MindWave Therapeutics
SANDI (Simulator for
Advanced Neurodiverse
Driving Instruction)

2023-Present
Space of Mind
The Focus Co.
Autentik.ai
The Real Spectrum

Post-Doctoral, Graduate, and Undergraduate Students

Dr. Jack Christie
Dr. Margaret Hobson
Dr. Katherine Ellis
Dr. Steven Christie
Dr. Scott Rogers
Dr. Stanton Bass
Dr. Larry Lampert
Dr. Alison Mattek
Dr. Jack Christie
Paul S Singerman, Esq.
John Sprouls, Esq.
Josh Abrams
Joanie Abramson
Charles Averbook
Brianna Bacchus
Jaycinth Bachmann
Michael Band
Amanda Basalyga
Lisa Behrman
Craig Behrman
Tito Blake
Maha Bouhamdan
Ali Breslau
Victoria Bronfman
Jim and Ana Brown
Sandra Bruno
Sarah Calciato
Ryan Campogiani
Maria Carrubba
Bev Caruso
Cheryl Carvalho
Suzy G Chevrier
David Cohn
Elena Correia
Christie Decara
Skye Dyer
Emily Elhilow
Navaka Fernando
Carine Firestone
Rona Freeman
Anna Victoria Giardano
Lynn Goldman
James Goss
Rosalie Grant
Diane Hansen
Dyan Harpest
Fanny Henao
Jeffrey Hochfelsen
Jenny Horn
Shari Hyman
Ann Turnoff
Debbi Jacobson
Jackie Karpel
Cecilia Knoop
Don Law
Susan Shelling-Lebersfeld
Maurice Plough
Ahisha Marinakis
Kelly Milan
Angela Miller
Carolina Mishaan
Karen Moros
Blair Nadel
Ida Novack
Jill Palmer
Josh Pertny
Roger Petersen
Wendy Pressner
Amy Rader
Jackie Reiner

1986-Present

Max Eida
Annette and Joel Reizburg
Anat Rosemberg
Robert Rounsvall
Chris Sadat
Tori-Lynn Saraniti
Lauren Schmier
Sharon Shear
Carole Sider
Aline Silva
Brian Smith
Glen Stein
Teana Tache
Scott Walters
Katia Weiter
Bernadette Yao
Olivia Dziwisz
Mizuki Tojo
Begum Arin
Anushay Mahzar
Jakob Zeitler
Brad Fant
Sahar Zohouri
Rachael Jennings-Charles
Maayke Fenne De Vries
Dr Nidal Al Haj Sleiman
Henrika Florén
Claire Aindow
Elie Danzinger
Vlad Dinu
Earle Whittington
Breanne Kearney
Oonagh Coleman

Selected Professional Service

National Institutes of Health (NIH) Scientific Review Board The Autism Data Science Initiative (ADSI) Research	2024-2025
University College London: UCL PhD Survival Group/Mentor	2020-2027
University College London: University Trustee	2019-2021
University College London: Post Graduate Student Representative	2019-2021
Florida Atlantic University: Board Member Center For Autism and Related Disabilities	2017-2020
Margaux's Miracle Foundation/Memorial Sloan Kettering Cancer Center: Member	2001-2020
Audio Engineering Society: Inaugural Student Chapter, President and Founder	1984-1986
Music Engineering Times Newsletter/University of Miami: Founding Editor	1984-1986

Skills & abilities

- **AI & Ethics Leadership:** Ethical AI frameworks, neurodiversity inclusion, multimodal learning analytics
- **Healthcare Innovation:** Patent development, clinical validation, digital therapeutics
- **Executive Leadership:** P&L management, board governance, cross-sector transformation, strategic partnerships

Expertise in myriad environments—including scientific research, academic instruction, engineering, publishing, manufacturing, service and professional associations—as well as recording, mixing, and mastering studios working on major and independent projects for retail, broadcast, gaming, film, stage, and TV.

Additional skillsets and applications include:

Acoustics & Sound Design	IBM SPSS	Pro Tools
Adobe Creative Cloud	Lecturing/Mentoring /Career	Publishing
Adobe Premiere	Development	R
Amazon Polly	LinkedIn	Reason
Audio Engineering	Logic Pro X	Record Production / Mixing &
Bass	Maschine	Mastering
Chat GPT	Matlab / Arduino	Reddit
Claude	Melodyne	Slack
Co-Pilot	Mentimeter	Slido
Doodly	Microsoft 365	Studio One
Drums	Miro	Sway
Film Scoring	Moodle	Visme
G*Power	MS-Teams	Voice
Gemini	Native Instruments Komplete	Waves Mercury
Google ChromeOS and	NVivo	Wix
Applications	Padlet	WordPress
Gorilla - Randomized Control	Perplexity Pro	Workday
Trial Programming	Piano	Zotero
Guitar	Post Production	
Hostgator	Pre-Production	

References and Testimonials

Complete listings available at www.davidruttenberg.com, <https://www.davidruttenberg.com/legacy>, and <https://www.linkedin.com/in/david-ruttenberg-frsa-fiohe-afhea-724487b/>

Additional references are available upon request.

Keywords

- Artificial Intelligence
- Machine Learning
- Neuroscience
- Wearable Technology
- Patent Development
- Clinical Research
- Assistive Technology
- Autism Research
- Multimodal Learning
- Digital Innovation
- AI Strategy
- Cross-Functional Partnership
- Organizational Enablement & Capability Building
- AI & Emerging Technology Leadership
- Innovation Capability Building
- External Partnerships
- Compliance & Governance Partnership
- Strategic Team Leader