

# Dr David Paul Ruttenberg

PhD, FRSA, FIoHE, AFHEA

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## Objective

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PhD Neuroscientist and AI Ethics, and Senior Digital Innovation and Strategy Leader with 10 patents in sensory accommodation, attention, and mental health technology. Led start-up Phoeb-X from concept to seed funding to pending IP merger/acquisition, developing clinically-validated wearables for autism/ADHD workplace, education, and social inclusion. Fulbright Specialist combining 30+ years of cross-sector leadership (music production to university trustee to health tech) with expertise in ethical integration and multimodal learning analytics.

## Education

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<b>University College London &amp; University Cambridge, PhD Neuroscience &amp; AI</b> Cognitive Neuroscience, Artificial Intelligence, and Multimodal Learning Analytics Faculty of Education & Institute of Neuroscience	<b>2025</b>
<b>University College London &amp; University Cambridge, MPhil Neuroscience &amp; AI</b> Cognitive Neuroscience, Artificial Intelligence, and Multimodal Learning Analytics Faculty of Education & Institute of Neuroscience	<b>2019</b>
<b>University of Miami, BSEE, BM, Electrical and Music Engineering</b> Founder and President of Audio Engineering Society	<b>1986</b>
<b>George Washington University, BSEE, Electrical and Music Engineering</b> Architect of University's Premiere Electronic Music Studio	<b>1983</b>

## Post Doctoral Experience

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<b>U.S. Department of State</b> <ul style="list-style-type: none"><li>Fulbright Specialist</li><li>Educational, Cultural Affairs and World Learning</li></ul>	<b>2024-2027</b>
<b>Florida Atlantic University</b> <ul style="list-style-type: none"><li>Chairman of the Board, Center for Autism and Related Disabilities</li><li>Governance Committee &amp; Board Member, Center for Autism and Related Disabilities</li></ul>	<b>2018-2027</b>
<b>University College London</b> <ul style="list-style-type: none"><li>University Trustee, Governance Board Member, and Graduate Representative</li><li>Lecturer, PGTA, Associate Professor, Master Students Digital Media Program</li><li>Lecturer &amp; Content Developer, Doctoral Students EdD Program</li><li>Mentor &amp; Laboratory Leader, Graduate Students</li><li>Post Doctoral Associate, Faculty of Education &amp; Institute of Neuroscience</li></ul>	<b>2018-2027</b>
<b>University College London Institute of Healthcare</b> <ul style="list-style-type: none"><li>Subject Matter Expert and Lecturer/Program Developer</li></ul>	<b>2021-2023</b>
<b>United Kingdom Local Government Association</b> <ul style="list-style-type: none"><li>Subject Matter Expert, Lecturer, and Multimedia Developer</li></ul>	<b>2022-2023</b>
<b>United Kingdom Parliament</b> <ul style="list-style-type: none"><li>Subject Matter Expert Parliament Office of Science &amp; Technology</li></ul>	<b>2021-2022</b>

## Professional Experience

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

## Professional Affiliations

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<b>Multiple Hub: Autism x Workforce Development Accelerator</b>	<b>2024-2025</b>
<b>Association for Computing Machinery &amp; Human Interaction</b>	<b>2024-Present</b>
<b>Experimental Psychology Society</b>	<b>2020-Present</b>
<b>GRAMMYs, National Academy of Recording Arts &amp; Sciences</b>	<b>2008-Present</b>
<b>Record Industry Association of America</b>	<b>2000-2021</b>
<b>American Federation of Musician Union</b>	<b>2000-2019</b>
<b>Broadcast Music International—Composer and Publisher</b>	<b>1986-Present</b>
<b>Society of Motion Picture and Television Engineers</b>	<b>1986-2000</b>
<b>National Association of Broadcasters</b>	<b>1986-2000</b>
<b>Audio Engineering Society</b>	<b>1984-2000</b>

## **Fellowships**

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Royal Society for the Arts, Manufactures & Commerce (RSA) Full Fellow	2021-Present
UCL Institute of Healthcare Engineering (FloHE) Full Fellow	2021-Present
Higher Education Academy, United Kingdom (HEA) Associate Fellow	2020-Present

## **Patents**

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- 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.

## **Affiliated Laboratories**

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University College London: The Knowledge Lab	2018-2025
University College London: Developmental Diversity Lab	2019-2025
University of Cambridge: Cognition Emotion & EduLab (CEE)	2019-2024

## **Awards and Honors**

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

## **Grants**

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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)**

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

## **Graduate Teaching—Undergraduate Students (Classroom)**

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<b>Florida Atlantic University (6 hrs/semester)</b> <ul style="list-style-type: none"><li>• Guest lecturer, audio engineering, production and career planning</li></ul>	<b>2013-2022</b>
<b>Florida Atlantic University (4 hrs/semester)</b> <ul style="list-style-type: none"><li>• Guest lecturer, production techniques, review and analysis</li></ul>	<b>2013-2022</b>
<b>University of Miami (35 hrs/semester)</b> <ul style="list-style-type: none"><li>• Guest lecturer, transducer theory, design and implementation</li></ul>	<b>2000-2020</b>

<b>Dade College (35 hrs/semester)</b>	<b>2000-2020</b>
<ul style="list-style-type: none"> <li>• Guest lecturer workstation design, implementation and deliverables</li> </ul>	
<b>Dade College (8 hrs/semester)</b>	<b>1996-2020</b>
<ul style="list-style-type: none"> <li>• Guest lecturer Recording studio acoustics, and design</li> </ul>	
<b>Florida Atlantic University (16 hrs/semester)</b>	<b>1996-2020</b>
<ul style="list-style-type: none"> <li>• Guest lecture, circuit theory in the modern recording studio</li> </ul>	
<b>Florida Atlantic University (12 hrs/semester)</b>	<b>1996-2020</b>
<ul style="list-style-type: none"> <li>• Guest lecture composition, analog recording, and studio design</li> </ul>	
<b>Dade College (12 hrs/semester)</b>	<b>1993-2020</b>
<ul style="list-style-type: none"> <li>• Visiting Professor of acoustics, design, analog, digital and hybrid systems</li> </ul>	
<b>Polar Boehme, Inc. (1,500+ hours/annually)</b>	<b>1988-2019</b>
<ul style="list-style-type: none"> <li>• MIDI, analog recording, circuit design, business practices</li> </ul>	
<b>George Washington University (36 hrs/semester)</b>	<b>1981-1983</b>
<ul style="list-style-type: none"> <li>• PGTA electronic synthesis, analog, digital and hybrid architectures</li> </ul>	

## **Publications**

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### **Academic Journals**

- 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://bit.ly/4lzyWFD>
- 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.
- 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/a3jhz>
- 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>

### **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.com/PBMI Publishing.

### **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: Rhythm Nation 1814. *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". Skyywalker Records. Billboard #21. Producer.

Ruttenberg, D., July 1989. Anquette "I Will Always Be There For You". Skyywalker Records. Billboard  
#76. Producer.

## **Conference Paper Presentations**

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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

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- Ruttenberg, David (2025, March). Multiple.Org: Autism Accelerator x Workforce Day: Phoebe-X and Inair 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 (January, 2023). 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**

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### **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  
 Brianne Bacchus  
 Jaycinth Bachmann  
 Michael Band  
 Amanda Basalyga  
 Lisa Behrman  
 Craig Behrman  
 Tito Blake  
 Maha Bouhamdan  
 Ali Breslau  
 Victoria Bronfman

### **1986-Present**

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	Angela Miller	Teana Tache
Navaka Fernando	Carolina Mishaan	Scott Walters
Carine Firestone	Karen Moros	Katia Weiter
Rona Freeman	Blair Nadel	Bernadette Yao
Anna Victoria Giardano	Ida Novack	Olivia Dziwisz
Lynn Goldman	Jill Palmer	Mizuki Tojo
James Goss	Josh Pertnoy	Begum Arin
Rosalie Grant	Roger Petersen	Anushay Mahzar
Diane Hansen	Wendy Pressner	Jakob Zeitler
Dyan Harpest	Amy Rader	Brad Fant
Fanny Henao	Jackie Reiner	Sahar Zohouri
Jeffrey Hochfelsen	Max Eida	Rachael Jennings-Charles
Jenny Horn	Annette and Joel Reizburg	Maayke Fenne De Vries
Shari Hyman	Anat Rosemberg	Dr Nidal Al Haj Sleiman
Ann Turnoff	Robert Rounsvall	Henrika Florén
Debbi Jacobson	Chris Sadat	Claire Aindow
Jackie Karpel	Tori-Lynn Saraniti	Elie Danzinger
Cecilia Knoop	Lauren Schmier	Vlad Dinu
Don Law	Sharon Shear	Earle Whittington
Susan Shelling-Lebersfeld	Carole Sider	Breanne Kearney
Maurice Plough	Aline Silva	Oonagh Coleman
Ahisha Marinakis	Brian Smith	
Kelly Milan	Glen Stein	

## **Selected Professional Service**

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<b>University College London: UCL PhD Survival Group/Mentor</b>	<b>2020-2027</b>
<b>University College London: University Trustee</b>	<b>2019-2021</b>
<b>University College London: Post Graduate Student Representative</b>	<b>2019-2021</b>
<b>Florida Atlantic University: Board Member Center For Autism and Related Disabilities</b>	<b>2017-2020</b>
<b>Margaux's Miracle Foundation/Memorial Sloan Kettering Cancer Center: Member</b>	<b>2001-2020</b>
<b>Audio Engineering Society: Inaugural Student Chapter, President and Founder</b>	<b>1984-1986</b>
<b>Music Engineering Times Newsletter/University of Miami: Founding Editor</b>	<b>1984-1986</b>

## **Skills & abilities**

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- **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	Bass	Drums
Adobe Creative Cloud	Chat GPT	Film Scoring
Adobe Premiere	Claude	G*Power
Amazon Polly	Co-Pilot	Gemini
Audio Engineering	Doodly	

Google ChromeOS and Applications  
Gorilla - Randomized Control Trial Programming  
Guitar  
Hostgator  
IBM SPSS  
Lecturing/Mentoring /Career Development  
LinkedIn  
Logic Pro X  
Maschine  
Matlab / Arduino  
Melodyne  
Mentimeter

Microsoft 365  
Miro  
Moodle  
MS-Teams  
Native Instruments Komplete  
NVivo  
Padlet  
Perplexity Pro  
Piano  
Post Production  
Pre-Production  
Pro Tools  
Publishing  
R  
Reason

Record Production / Mixing & Mastering  
Reddit  
Slack  
Slido  
Studio One  
Sway  
Visme  
Voice  
Waves Mercury  
Wix  
WordPress  
Workday  
Zotero

## References and Testimonials

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Complete listings available at [www.davidruttenberg.com](http://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

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- 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