

David S. Cantor, Ph.D.

EXECUTIVE SUMMARY

Dr. David S. Cantor, Ph.D., M.Sc., QEEG-DL, BCN, FNAN is a globally recognized leader in neuroscience, quantitative electrophysiology, and clinical neurotechnology. With over four decades of leadership spanning academic research, clinical operations, forensic consulting, and executive management, Dr. Cantor has served as CEO, Board Director, and Scientific Advisor to major organizations in health technology and applied neuroscience.

His expertise includes quantitative EEG (qEEG) development, neurodiagnostics, psychopharmacology, regulatory advisory, strategic leadership, and product innovation. He has authored numerous peer-reviewed publications and chapters, served on international boards, and received multiple career achievement awards. Dr. Cantor is known for bridging rigorous scientific knowledge with applied clinical and corporate innovation.

PROFESSIONAL EXPERIENCE

President & CEO — BrainDx, LLC

2004 – 2024

Directed international neurotechnology company providing qEEG-based diagnostic software and services worldwide. Oversaw strategic partnerships, R&D, regulatory strategy, and corporate growth.

President — Mind & Motion, LLC

2016 – Present

Led integrated behavioral health and neurodevelopmental clinical service organization.

Board of Directors — International QEEG Certification Board

2021 – Present

Guided international credentialing and certification standards for qEEG practitioners.

Board of Directors — NeuroTech Inc.

2018 – 2020

Strategic advisory for emerging neurotechnology solutions.

President — Psychological Sciences Institute

1995 – 2015

Directed multidisciplinary neuropsychological and EEG clinical services for pediatric and adult populations.

Director, Dept. of Neuropsychology — Scottish Rite Children's Medical Center

1994 – 1995

Founded and managed neuropsychology department; supervised staff; established accreditation programs.

Staff Neuropsychologist — Meadowbrook Rehabilitation Corporation

1991 – 1993

Neuropsychological assessments and rehabilitation program development for subacute and transitional care patients.

BOARD & LEADERSHIP ROLES

- Board of Directors – International QEEG Certification Board (2021–Present)
- Board of Directors – NeuroTech Inc. (2018–2020)
- President & Treasurer – EEG and Clinical Neuroscience Society (2005–2009)
- Founding Board – International Board of Quantitative Electrophysiology (Chair 2018–2020)
- Board of Advisors – International Society of Neuroregulation and Research (2020–Present)
- Board of Directors – Southeast Biofeedback and Clinical Neuroscience Association (2012–2017)
- Board of Directors – Alexsander Academy (2011–2017)

EDUCATION & CERTIFICATIONS

Ph.D., Psychology – SUNY Stony Brook (1983)

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M.A., Psychology – SUNY Stony Brook (1979)

B.A., Psychology (Cum Laude) – University of Connecticut (1977)

Postdoctoral M.Sc., Clinical Psychopharmacology – Farleigh Dickinson University (2009)

Postgraduate Certificate Series in Neurophysiology, Neuroanatomy, Pathophysiology, and Clinical Pharmacology – University of Georgia School of Pharmacy (2000–2002)

Certifications

- Licensed Psychologist – GA, MD (Active), DC (Inactive)
- Board Certified QEEG-DL
- BCIA Certified – Neurofeedback
- Diplomate, International Board of Quantitative Electrophysiology
- ECNS Board Certified in EEG/QEEG and Clinical Neuroscience
- Certified Clinical Psychopharmacologist

SELECT HONORS & AWARDS

- 2024 – M.B. Serman Career Achievement Award – ISNR
- 2020 – Fellow – International Society of Neuroregulation and Research
- 2017 – Joel Lubar Award – ISNR
- 2007 – Fellow – National Academy of Neuropsychology
- Multiple NIH and Foundation Grant Collaborations

SELECTED PUBLICATIONS & CONTRIBUTIONS

- Cantor, D.S. & Evans, J. (Eds.) Clinical Methods of Neurotherapy. Academic Press, 2014.
- Cantor, D.S. An Overview of Quantitative EEG and Its Applications to Neurofeedback. Academic Press, 1999.
- Cantor, D.S. et al. International QEEG Certification Board / ECNS Guideline: Minimum technical requirements for performing clinical quantitative electroencephalography. Clinical EEG and Neuroscience, 2025.
- Edelson, S. & Cantor, D. (1998). Autism: Xenobiotic Influences. Toxicology and Industrial Health.
- Cantor, D.S. & Chabot, R. (2009). QEEG studies in Assessment and Treatment of Childhood Disorders. Clinical EEG and Neuroscience.

SELECTED INTERNATIONAL PRESENTATIONS & LECTURES

- Keynote Speaker – ISNR 2024: Consciousness and Adaptation: Quantum Theory and Beyond
- Invited Symposium – ECNS/ISNIP Joint Conference 2020: Clinical Use of Neuromodulation
- Keynote – International Conference of Biofeedback – Brazil 2013
- Panel Speaker – AAPB Conference 2025: Frontal Gamma Asymmetry as Forensic Tool
- International Lecture – Applied Neuroscience Society of Australasia 2018

SPECIALIZED EXPERTISE

- Strategic Executive Leadership
- Regulatory and Clinical Advisory
- Neurotechnology & Product Development
- Forensic Neuroscience Consulting
- Quantitative EEG & Neuromodulation
- International Scientific Education

REFERENCES

Erik Fisher, Ph.D. – Clinical Psychologist (CNN Consultant) – erik_fisher_phd@mindspring.com

Leslie Prichep, Ph.D. – Neuroscientist, NYU Faculty Emeritus – lprichep@gmail.com

Dr. Dick Genardi, Ph.D. (Licensed Psychologist; former Chairman Board of Examiners and former President of Ohio Psychological Association)- dgenardi@gmail.com

DAVID STEVEN CANTOR

5050 Research Ct. Ste 800

Johns Creek, GA 30024

Education

--B.A., Cum Laude with Distinction in Psychology (honors), University of Connecticut (5/77)

--M.A., Psychology, State University of New York at Stony Brook (12/79)

--Ph.D., Psychology, State University of New York at Stony Brook (8/83)

--Post Graduate – Psychopharmacology – University of Georgia School of Pharmacy – 9/2000-6/2002

--Certificate of Mastery – Neurophysiology – University of Georgia – 11/2000

--Certificate of Mastery – Neuroanatomy – University of Georgia – 2/2001

--Certificate of Mastery – Pathophysiology – University of Georgia – 4/2001

--Certificate of Mastery – Clinical Pharmacology I – University of Georgia – 11/2001

--Certificate of Mastery – Clinical Pharmacology II – University of Georgia – 2/2002

--Certificate of Mastery – Clinical Pharmacology III – University of Georgia – 4/2002

--Certificate of Mastery – Clinical Pharmacology IV – University of Georgia – 6/2002

-- M.Sc. - Post Doctoral Masters Degree in Clinical Psychopharmacology –Farleigh Dickinson University – awarded, May, 2009

Positions Held

11/1/2021 – Present - Board of Directors on the International QEEG Certification Board - IQCB

9/2019-Present – Intern Supervisor – Psychology/Neuropsychology – Doctoral Level students for Mercer University

6/2018 – 11/1/2020

Board of Directors – NeuroTech Inc.

9/1/2020 – present- Board of Advisors – International Society of Neuroregulation and Research

10/2017 – 9/1/2020

- Member of Board of Directors – International Society of Neurofeedback and Research (Secretary; President)

1/2017 – 6/2018

- Member of Board of Scientific Advisory Board, Neurotech International, Inc. - Chairman

1/2017 – 2020

- Member of Board of Advisors – Innovative Health Foundation (see below)

1/2014- present

- Founding Board of Directors – International Board of Quantitative Electrophysiology (Chair – 2018-2020)

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1/2013 – present

- Faculty – Stress Therapy Solutions, Inc. – qEEG Didactic Training for qEEG Board Certification

5/2012-9/2017

- Board of Directors – Southeast Biofeedback and Clinical Neuroscience Association

1/2011-9/2017

- Board of Directors – Alessander Academy – a private non-profit school to provide specialized educational programs for special needs children.

9/2007 – 9/2009

- Treasurer of EEG and Clinical Neuroscience Society [ECNS]

9/2005-9/2007

- **President of the EEG and Clinical Neuroscience Society [ECNS]** – an international multidisciplinary society of clinicians and researchers with a focus on Behavioral Neurophysiology

5/2004- 9/2024

- **CEO, BrainDx, LLC** - privately held partnership software company providing computer assisted analyses of digital EEG for health care providers using such data in their practices world-wide (www.braindx.net)

8/2004 –1/12/016, 1/2016 – present

- **President, Mind & Motion, LLC** – merged group of health provider agents and agencies working together to provide integrated services for children and adults with a wide variety of disorders or suspected disorders typically involving decreased human performance

9/2003-9/2005

- **Secretary, EEG Clinical Neuroscience Society** - a multidisciplinary international society involving clinicians and researchers with interests in the Clinical Neurosciences

8/95 - 2015

- **President, Psychological Sciences Institute**, Atlanta, GA - psychology and neuropsychology specialty services corporation for pediatric and adult populations, Provide neuropsychological evaluations, electrophysiological studies, consultations, neurofeedback therapies, cognitive therapies, and specializes in therapies for interventions for patients with indications of neurologic impairment. Pediatric and family specialty services - assessment and treatment.

1/94- 8/95

- **Director, Dept. of Neuropsychology** - Scottish Rite Children's Medical Center, Atlanta, GA. Responsible for development of new department; supervision of assessment and counseling staff, planning and budgeting; development of CARF and JCAHO standards for neuropsychology for Rehabilitation; development of outcome research program; supervise clinical research for national conferences; conduct clinical assessments and consults for in-patient and outpatient rehabilitation programs; serve on hospital committees; inventory development and control; computerization of departmental services; provide in-service education programs; marketing.

3/91- 12/93

- **Staff Neuropsychologist** - Meadowbrook Rehabilitation Corporation-Atlanta, GA. Conduct neuropsychological assessments; neurotherapies, consults to rehabilitation team; in-service education programs; marketing; database management; supervision; research and conference presentations; publications; clinical assessments and cognitive rehabilitation; behavioral management and therapeutic design

- Staff privileges- Brawner Psychiatric Institute, Smyrna, GA

1/1990—1/1997

- **Adjunct Associate Professor of Nursing** - School of Nursing, Emory University

9/1990 – 9/1995

- **Adjunct Associate Professor of Psychology (Neuropsychology)**- Dept. of Psychology, University of Georgia- Athens

9/1990- 1996

- **Adjunct Clinical Associate Professor** of the Georgia School of Professional Psychology (formerly Argosy University)

9/90 –9/91

- **Adjunct Clinical & Research Assistant Professor** - Dept. of Psychiatry, University of Maryland School of Medicine

11/91- 12/93

M.I.N.D., Inc. merged with Functional Imaging Associates, Inc. to become a nationwide assessment services corporation for patients with CNS disorders. Partner and member of Board of Directors.

1/91-1999

- **President of Interpretive Diagnostic Services, Inc. (IDS)**. This was a privately held general corporation offering computerized expert system analyses of EEG and evoked potential information. This service was offered throughout the continental United States.

1/90-11/91

- **President of M.I.N.D., Inc.**; a private multidisciplinary organization (general corporation) dedicated to providing high quality mental health assessment services for the community and business. This organization also included contract and independent research activities.

12/89-4/90

- **Vice-President of Comprehensive Diagnostic & Treatment Services, PA**. This corporation had been re-structured to offer principally treatment services with assessment equipment and personnel transferred to M.I.N.D., Inc.

9/86-12/89

- **President of Comprehensive Diagnostic & Treatment Services, PA**;

a private professional corporation dedicated to utilizing multimodal assessment techniques and treatment services in the field of psychology and CNS disorders. Conduct and develop integrated neuro-diagnostic batteries.

Privileges (past & present)

- Staff privileges with Scottish Rite Children's Medical Center (now CHOA), Atlanta, GA – 1/94 - present
- Staff Privileges with Inner Harbor Hospital, Douglasville, GA - 1/95 – 9/2015
- Staff Privileges at HCA Parkway Medical Center - Lithia Springs, GA – 1/95
- Staff Privileges with Gwinnett Hospital System - Promina Health Care System – 10/96 - present
- Staff Consultant with Psychiatry at Washington Hospital Center, DC – 1/88 - 1990
- Staff Privileges with Psychiatric Institute of Washington, DC – 1/88 - 1990
- Staff (Faculty) Privileges at Institute of Psychiatry and Human Behavior-Baltimore – 1/87- 1990
- Staff Privileges at Clifton T. Perkins Hospital, Jessup, MD – 1/88 - 1993
- Staff Privileges at Mt. Washington Pediatric Hospital, Baltimore, MD – 1/88 - 1993
- Staff Privileges at Georgia Baptist Medical Center (now Atlanta Medical Center) – Atlanta, GA – 1998-2010

1987- 1992

- Staff with Suburban Hospital - Bethesda, MD
- Staff - Howard County General Hospital, Columbia Maryland

9/86- 9/87

- Assistant Professor - Dept. of Psychiatry, University of Maryland School of Medicine.

6/82-3/85

- Full-time faculty position -- Applied Neuroscience Institute, Department of Human Ecology, University of Maryland - Eastern Shore and a joint appointment with the Dept. of Psychiatry, School of Medicine, University of Maryland at Baltimore. Project coordinator for the Baltimore branch of the Applied Neuroscience Institute- responsible for supervising staff; administrator, oversee testing procedures, conduct analyses, write papers, design new studies, develop new testing techniques for Neurotrauma Clinic, oversee computer operations and data management, upgrade analyses and interpretations from data, and apply for grants in related realms of research.

9/81-6/82

- Full-time faculty position (Research Associate) in the Department of Neurosurgery, University of Maryland, School of Medicine. Neurometric Clinical Coordinator- responsible for designing techniques for the acquisition and analyses of electrophysiological data (EEG and evoked responses) collected on head trauma patients- providing a clinical service for surgeons. Maryland Institute for Emergency Medical Services- under the directorship of Dr. M. Salzman.

9/79-9/80

- New York State Intercampus Fellow- responsible for maintaining research projects at SUNY at Stony Brook and assistance in projects at the Brain Research Laboratories - N.Y.U. Medical Center - under Direction of Dr. E. Roy John.

9/77-9/79

- Research Assistant- Brain Research Laboratories- assist in data collection and analyses on learning disabled children at James Allen School, Long Island, N.Y. Project coordinated by Dr. Herbert Kaye, Dept. of Psychology, SUNY, Stony Brook, N.Y.

9/77-9/79

- Graduate Teaching Assistantship- assist in teaching undergraduate and graduate courses. Dept. of Psychology. SUNY, Stony Brook, N.Y.

9/76-8/77

- Resident Counseling- in residence counseling and administration of undergraduate students- Office of Student Affairs, University of Connecticut, Storrs, CT.

9/76-5/77

- Research assistant- Infancy Laboratory- University of Connecticut, Storrs, CT. Responsible for conducting electrophysiological research on infant perceptual systems.

Academic Interests:

Focus 1: identify nutritional and environmental agents which effect intellectual functioning and behavior. Develop quantitative diagnostic screening tools for child/adult populations.

Focus 2: identify electrophysiological/neuropsychological measures that are diagnostic and prognostic for recovery from head injury and psychiatric illness.

Teaching Experience

- Numerous Workshops and Training Programs – (see below)
- Faculty – Stress Therapy Solutions, Inc. – 2013-present [neurophysiology, psychopharmacology, clinical qEEG, developmental models]
- Guest Lecturer (1997- 2018): Argosy University; University of Georgia, Perimeter College

- Clinical Supervisor – Doctoral Intern Supervisor – Mercer University – 2019 - present
- Practicum Instructor – Neuropsychology – Argosy University – 1993 – 2018
- Practicum Instructor – Neuropsychology – University of Georgia – 1993-1995
- Senior faculty for Educational Seminar Programs- Cadwell Laboratories, Inc. - instruction on evoked responses and quantitative electrophysiological techniques (1988-1992)
- Instructor, Department of Psychology, State University of New York at Stony Brook:
 - Advanced Developmental Psychology: A Psychobiological Approach, 1981. This course included a review of the interactions of central nervous system function and behavior.
 - Seminar in Developmental Aspects of Childhood Psychopathology, 1980. This was an advanced undergraduate course that examined factors that contribute to the evolution of childhood psychopathological conditions.
 - Laboratory in Research Methodology, 1980. This course reviewed basic psychological research methodology including concepts in learning, behavioral modification techniques, design and execution of independent student research projects
 - Developmental Psychology: A Psychobiological Approach, 1979. This course examined child and life-span development as a function of the interactive role of biology and psychology in shaping behavior.
 - Laboratory in Research Methodology, 1979
- Assistant, Department of Psychology, State University of New York at Stony Brook:
 - Human Learning, 1978
 - Developmental Psychology, 1977
- Member of the Maryland Speakers Bureau- a consortium of experts in various fields for teaching seminars and a public resource of information, 1985 – present
- Member of the Suburban Hospital Speakers Bureau for community organizations, 1988-92.
- Member of the American Psychological Association Speakers Bureau- 1992- present
- Member of Georgia Psychological Association – Speakers Bureau – 2014 - present

- *Clinical Consultant* – Summit Ridge Hospital, Lawrenceville, GA – 1/2001 – present
- *Psychological and Neuropsychological Assessment and Therapy* - specializing in developmental disorders – Psychological Sciences Institute, P.C. – Atlanta, GA (1997- present)
- *Neuropsychological Assessments and Psychotherapy Consultation* – Gwinnett Therapy Center, Lawrenceville, GA. (1995-1997)
- *Department Head and Staff Neuropsychologist* - Rehabilitation Services- Scottish Rite Children's Medical Center - (1993-1995) responsible for designing testing batteries for evaluation of inpatient and outpatient pediatric populations. Oversee budgets, staff management, business planning and implementation, research, neuropsychological testing, cognitive rehabilitation, coma stimulation programs, family consultations and counseling, behavioral management.
- *Staff Neuropsychologist* - Meadowbrook Neurological Rehabilitation of Atlanta, 1991- 1993. Responsible for all neuropsychological related services for 3 centers of the Meadowbrook system: Subacute Center, Neurobehavioral Center, and Transitional Living Center. Duties included neuropsych testing, stimulation therapy (neurotherapy), cognitive rehab, supervise staff and students, conduct program evaluation and QI services for the NRP center, oversee research activities, interface clinical services with families and professionals within the organization and outside the organization.
- Established as a provider for Dept. of Vocational Rehabilitation for the States of Georgia and Maryland.
- Established as Disability Examiners for the States of Maryland & Georgia - Member of the National Association of Disability Examiners
- Neurometric and psychometric testing of adults and children; psychotherapy; Comprehensive Diagnostic & Treatment, PA, Columbia, MD, 21045; M.I.N.D., Inc.; and then as Universal Imaging, Inc.
- Clinical Coordinator of Neurometric Clinic - evaluation of brain state for neurotrauma patients (EEG, auditory brainstem, somatosensory brainstem, visual, auditory, and somatosensory near-field tests). Responsible for designing procedures, coordinating technicians, programming for data acquisition and analyses, writing clinical reports, and conducting research. The techniques were being adapted for use in the ICU and intraoperative monitoring. - Dept. of Surgery & Maryland Institute for Emergency Medical Services- 1981-1982.
- Psychometric testing of normal and low achieving children- Applied Neuroscience Labs, University of Maryland school of Medicine - 1982 - 1985.
- Psychometric testing of infants and toddlers - Applied Neuroscience Labs, University of Maryland School of Medicine - 1981.
- Evaluation of reflex integrity in neonates - St. Charles Hospital, 1977-1980
- Behavioral audiological testing of neonates - St. Charles Hospital, 1977-1980
- Behavioral modification and psychometric testing of autistic children - Suffolk Child Development Center - 1979-1981.
- Electrophysiological (evoked potentials) evaluation of infant perceptual functioning- Infant Laboratory, University of Connecticut, 1976-77 under direction of Dr. B.Z. Karmel.
- Nursing Care and Pre-op and Post-op procedures for patients undergoing surgery- Windham Memorial Hospital, 1972-1976.

Honors, Grants, Scholarships, and Fellowships

- 2024 – MB Sterman Award for Career Achievement – International Society of Neuroregulation and Research
- 2021- Listed as a Psychologist for Social Responsibility in support of Respondents: in United States vs Zayn Albidin Muhammad Husayn, aka Abu Zubaydah, et al., Amicus Brief – **Supreme Court of the United States**, N. 20-827
- 2020- Past Presidents Award - International Society of Neuroregulation and Research
- 2020 - Fellow – International Society of Neuroregulation and Research
- 2017 Joel Lubar Award by the International Society of Neurofeedback and Research for Scientific and Educational Contribution to the International Society for Neurofeedback and Research and to the field of Neurofeedback and Clinical Neuroscience
- 2011 – NORA Special Award for contribution to the field of NeuroRehabilitative Optometrics
- 2009 Consultant on 2 NIH and 1 private Foundation grants
- 2007 – Fellow – National Academy of Neuropsychology
- 1999-2000 – Who's Who in Medicine and Health Sciences
- 1994 - Consultant 3 year NIH funded study - *Auditory Stimulation for Comatose Brain Injured Patients*- Alice Davis, R.N., Ph.D., PI
- 1992- Who's Who in Business (1993)
- 1990: Who's Who in the American Health Service Professionals (1992)
- 1990: National Center for Nursing Research for: *Neurometric and Psychological Concomitants of Perimenstrual Symptoms*; Co-PI investigator with Ora L. Strickland, R.N., Ph.D., Co-P.I. funded beginning August, 1991 (4 year study).
- 1988: Wacker Foundation Award for: *Neurometric and Biochemical Correlates of Food Allergies in Children*.
- 1987: Who's Who Among American Men and Women of Science
- 1986: Who's Who in the Biobehavioral Sciences
- 1986: Selected as American Psychological Association Congressional Fellow (only two selected in the country; position declined)
- 1985: Who's Who in American Health Service Professionals
- 1984: Private Foundation Awards for Research with Down's Syndrome Children.
- 1984: Straus Research Award for *Choline Supplementation in Down's Syndrome Children*.
- 1981: Sigma Xi Grant-in-Aid Award- Autism
- 1980: New York State Intercampus Fellow (Research at N.Y.U. Medical Center)

- 1979: Sigma Xi Grant-in-Aid Award - Autism
- 1978: Sigma Xi Grant-in-Aid Award - Autism

Professional Memberships & Activities

- American Association for the Advancement of Science (past)
- American Psychological Association (past division member)
 1. Member of Division 7- Developmental Psychology
 2. Member of Division 40- Clinical Neuropsychology
 3. Member of Division 5- Test and Measurement
 4. Member of Division 41- Forensic Psychology
 5. Member of Division 55 – Psychopharmacology
- National Head Injury Foundation; Former Founding Member of the Board of Directors for the Maryland Chapter;
Currently Provider Member of Brain Injury Association of Georgia
- Maryland Psychological Association
 - Co-chair of Board of Scientific Affairs, MPA (1987)
- Member of New York Academy of Sciences (past)
- Member of Editorial Staff for Austin Journal of Autism and Developmental Disorders
- Reviewer for Child Development (past)
- Reviewer for National Head Injury Foundation – Annual Research Conference
- Reviewer for Clinical EEG and Neuroscience
- Reviewer for Journal of Experimental Neuropsychology
- Reviewer for Child Neuropsychology
- Reviewer for Journal of Neurotherapy
- Reviewer for Frontiers in Science
- Reviewer for Alpha Psychiatry
- Member of Board of Directors, Maryland Chapter of the National Multiple Sclerosis Society, 1989 - 1997.
- Diplomate, American Board of Professional Disability Consultants- 1990
- Diplomate - American College of Forensic Examiners – 1996
- Diplomate – American College of Psychological Specialties – Neuropsychology – 1999
- Fellow, Academy of Learning and Developmental Disorders - 1999

- Member, American Society of Electrodiagnostic Technologists - 1990.
- Member, American Academy of Clinical Neurophysiology (1994)
- Fellow- The American College of Forensic Examiners - 1995
- Member, National Association of Disability Examiners- Registered as a Disability Examiner in the States of Maryland and Georgia.
- Board of Directors – EEG and Clinical Neuroscience Society – June, 2000- 2009
- Board Member– Journal of Clinical EEG – June, 2000
- Diplomate- International Academy of Behavioral Medicine, Counseling, and Psychotherapy, Inc., April, 2003
- Member- International Society of Neuroregulation and Research –2003 to present
- Member- Association for Applied Psychophysiology and Biofeedback – 2003 to present
- Fellow –National Academy of Neuropsychology- 2007
- Selected Member of Georgia Psychological Association – Speaker’s Bureau
- Board of Directors – International QEEG Certification Board – 2021 – present – Examination Committee
- Board of Advisors- International Society of Neuroregulation and Research – 2021 to present
- Member- Asian Neuropsychological Association (ANA) – 2022

Special Skills and Competencies

- Familiar with many multiple channel electrophysiological systems
- ICON, BASIC, UNIX, basic FORTRAN programming
- Utilization of UNIX and RSX systems for analyses and editing operations
- Familiar with Multivariate Statistics and Packaged Stat Programs for Main Frame, mini-, and microcomputers.
- Familiar with Windows software configurations for clinical database management.
- Experience in electrolytic lesions, perfusions, and some histology (rats, cats)
- Experience in macroelectrode and microelectrode arrays- chronic implants for cortical and subcortical structures (cat)
- Familiar with many psychometric tools including those which focus on special ages and special performance evaluations.
- Familiar with specialized qEEG analytic packages (NxLink, Neuroguide, BrainDx)
- Familiar with SPSS, BMDP, STATISTICA, and various microsystem packages for data management and analyses.
- One year of sign language communication.

- Licensed Psychologist for the State of Maryland #1931 (current)
 - Licensed Psychologist for Washington, DC #1394 – inactive as of 2015
 - Licensed Psychologist for the State of Georgia - #1464 (current)
 - Board Certified and Past Chair for International Board of Quantitative Electrophysiology (merged with International QEEG Certification Board - 2021)
 - ECNS Board Certified in EEG/QEEG, Clinical Neuroscience, EEG/QEEG – 10/2001
 - Certified in Clinical Psychopharmacology – UGA
 - Patent – Neurometric Modular system for Clinical Practice -2007 (patent suspended)
 - Co-author – Computerized Clinical history and Neuropsychological Interpretive Software System – Eaglesoft Solutions – 2006/2007 (Pycwriter Programs)
 - Diplomate, QEEG Board – August, 2014
 - BCIA Certified – Neurofeedback therapy – September, 2014
 - Certified in the Administration Interpretation of the Autism Diagnostic Observations Scales – 2 – Emory University, 2016.
 - Board Certified in qEEG – International Board of Quantitative Electrophysiology - 2017
- ** Familiar with testing procedures for all age ranges - newborn to senior citizen

Presentations, Treaching/Educational Experiences, and Published Abstracts

*Dentamaro, D., Cantor, D.S., Lester, M., and Karmel, B.Z.

Neurophysiological Correlates of Infant Visual Attention.

Presented at Eleventh Annual Inter-Campus Undergraduate Psychology Conference State University of New York at Oswego, 1976.

(* award winning paper as an undergraduate).

Cantor, D.S., Kaye, H., and Fischel, J.

Conditioned Disruption of Neonatal Sucking Activity.

Presented at Eastern Psychological Association, Hartford, Connecticut, 1980.

Cantor, D.S., Kaye, H., and Fischel, J.

Auto-Cueing: A Mechanism for Neonatal Adaptability.

Presented at Second International Conference on Infant Studies, Yale University, New Haven, Connecticut, 1980.

Cantor, D.S., Waters, H., and Andreassen, C.

Development of Visual Episodic Memory.

Presented at the Society for Research in Child Development, Boston, MA, 1981.

Cantor, D.S., Acker, D., and Hay, D.

Cantor, David

A New Method for the Exploration of the Development of Self.

Presented at the International Society for Studies in Behavioral Development, Toronto, Canada, 1981.

Cantor, D.S., Thatcher, R.W., Lester, M., McAlaster, R., and Horst, R. *Topographical Cerebral Coherence Related to Cognitive Functioning in Children.* Presentation at the Southeastern Conference on Human Development, Baltimore, Maryland, 1982.

Cantor, D.S., Thatcher, R.W., and Lester, M.

Computer Assessment of Learning Disabled Children.

Presented at Association for Children with Learning Disabilities- Carroll County Maryland, 1982.

**Ducker, T., Thatcher, R.W., Cantor, D.S., and Meyer, W.

Comprehensive Electrophysiological Evaluation of Coma Patients.

Presentation at the International Congress of Neurological Surgeons; Toronto, Canada, 1982.

(** Prize winning scientific exhibition)

Cantor, D.S.

Nutrition, EEG, and Trace Elements: Findings and Applications for LD children. Presented at the Wisconsin Assoc. for Children with Learning Disabilities, Milwaukee, Wisconsin, 1982.

Cantor, D.S.

New Methods for the Early Assessment of Developmental Dysfunction and Childhood Psychopathology. Presented at the Psychiatric Grand Rounds, Institute of Psychiatry and Human Behavior, University of Maryland Hospital, Baltimore MD, October 19, 1982.

Cantor, D.S.

Neurometric Methods and Clinical Utility.

Presented for in-service CCRU nursing staff, Maryland Institute for Emergency Medical Services, August, 1983.

Cantor, D.S.

Testimony- Maryland State Legislative Committee on Environmental Matters. Presented summary testimony on behalf of the Maryland Head Injury Foundation which highlighted the need for more research with head injured victims in the State of Maryland and what contribution UMES has made in this area. Sept. 6, 1983- Annapolis, MD.

Cantor, D.S.

Nutrition, EEG, and Trace Elements: Findings and Applications for the Severely LD. Presented at the Barbara Augustine School for Children, Glen Burnie, MD, November, 1983.

Fishbein, D., Thatcher, R.W., Lester, M., and Cantor, D.S.

Nutrition, Trace Elements, and EEG in Predicting Behavior.

Presented at the American Society of Criminology Annual Convention, Denver, November, 1983.

Cantor, D.S.

Nutritional Status and Cognitive Functioning in Children.

Invited speaker of the Frontiers of Science program, University of Maryland - Eastern Shore. May 9, 1984.

Cassidy, T., Cantor, D.S., Lester, M., and Thatcher, R.W.

Predictive ability of ABSEP's in recovery from traumatic head injury. NIH/MBS National Research Symposium, Washington, D.C., April, 1984.

Cantor, D.S.

Neurometrics.

Invited speaker of the Baltimore Psychological Association- Johns Hopkins University, May 19, 1984.

Cantor, D.S.

Computerized EEG Analyses of Autistic Children.

Presentation at American Psychological Association Conference- Toronto, Canada. August, 1984.

Cantor, D.S.

Neurometric Technology for Surgical Diagnosis and Prognosis.

Presentation for MIEMSS and UMH Neurosurgical Resident Orientation.

Sept. 1984

Cantor, D.S.

Neurometrics - Tools for Shock Trauma Staff.

Presentation as invited speaker for the 1984 MIEMSS Lecture Series, Sept. 1984

Cantor, D.S.

Neurometrics - Tools for Shock Trauma Staff.

Presentation as invited speaker for the 1985 MIEMSS Lecture Series, Jan. 1985

Cantor, D.S.

Computerized EEG and Evoked Potentials in Assessment and Prognosis of Head Injury. Co-presented with R. Thatcher. Seventh National Trauma Symposium. Baltimore, Sept., 1984.

Cantor, D.S. and Thatcher, R.W.

Effects of Low Levels of Lead and Calcium on EEG in Children.

Presentation for International Society of Developmental Psychobiology- Baltimore, MD, October, 1984.

Ducker, T., Thatcher, R.W., McAlaster, R., and Cantor, D.S.

Spinal cord monitoring in neurosurgery in the United States: Update.

Presentation for International Conference in Spinal Surgery, Nuremberg, Germany, 1984.

Cantor, D.S. and Thatcher, R.W.

Neurophysiological correlates of hair trace elements in children.

Presentation for the National Academy of Neuropsychology- Philadelphia, PA. October, 1985.

Cantor, D.S. and Thatcher, R.W.

Interrelationships of hair trace elements and computerized EEG in children. Presentation for the USDA 1890 Research program- Atlanta, GA. October, 1985.

Thatcher, R.W., Cantor, D. S., McAlaster, R., Geisler, G., Krause, P., Salcman, M. **Comprehensive prediction of functional outcome in neurotrauma patients.** Presented at International Congress of Neurological Surgeons, Chicago, Oct. 1985.

Presentations on National Television (CNN) News- latest research on nutritional factors in child intellectual development.

Radio program (nationwide)- *Brain Mapping: What is it and how is it being used?* (as reported to Alex Diamond).

Newspaper article: Brain Mapping: A New Diagnostic Tool; published in the Columbia Flyer and Howard County Times as reported to Deborah Turner.

Cantor, D.S. Neurometric and nutritional factors related to Learning Disabilities and Behavior Problems of Children.

Montgomery County Association for Children with Learning Disabilities - April, 1986.

Cantor, David

Cantor, D.S. Biology and Behavior. Workshop presentation for Chesapeake College Health Education Center - Eaton, MD, April, 1986.

Cantor, D.S., and Fishbein, D.H. Biogenic Sources of Behavior Disorders. Workshop for the Maryland Psychological Association Convention- College Park, MD 1986.

Cantor, D.S. New Neuropsychological Issues and Techniques in Psychiatric Practice. Invited as Grand Rounds Speaker for Howard County General Hospital, Howard County, Maryland, Oct., 1986.

Cantor, D.S. Neurometrics and Multiple Sclerosis. Presentation to Howard County MS Support Group. October, 1987.

Cantor, D.S.- Neurometric Applications in Child Psychiatry. Dept. of Psychiatry, University of Maryland at Baltimore. January, 1988.

Cantor, D.S.- Brain Electrical Mapping of Developmental Disorders. Presentation for Dept. of Pediatrics Conference (University of Maryland at Baltimore) entitled: *He Won't Talk; He Won't Listen*. January, 1988.

Cantor, D.S. - Neurometric Applications in Psychiatry. Psychiatric Grand Rounds- Surburban Hospital, Bethesda, MD. February, 1988.

Cantor, D.S. and Antell, S.E. - Integrated Evaluation Techniques for Children. Workshop presented for the Howard County Board of Education. February, 1988.

Cantor, D.S. - Invited speaker for the First Annual Cadwell Symposium on Clinical Applications of Brainmapping- *Caveats in the Interpretation of QEEG; Neuropsychological Factors*. San Diego, CA, September, 1988.

Cantor, D.S. - Panel Chairman and presenter: Public relations in Psychological Practice. Maryland Psychological Association Private Practice Conference, January, 1990.

Cantor, D.S. - Invited speaker for the Second Annual Cadwell Symposium on Clinical Applications of Brainmapping- Topics: *Neurometric applications in PMS, Pediatric Neurology, and in evaluating Criminal Insanity*. Orlando, Fla., March, 1989.

Cantor, D.S. - Invited speaker for Grand Rounds- Applications of Neurometrics for Post Traumatic Head Injury Care- Washington Hospital Center, Washington, D.C., March , 1989.

Cantor, D.S. - Invited speaker for Well Mindedness Society of Greater Washington. September, 1989; Chevy Chase, MD. Neurometric Applications in Psychiatry.

Cantor, D.S. and Strickland, O.L. Perimenstrual Syndrome: New Findings and Management. National Conference for Obstetric Nurses. Baltimore, MD, October, 1990.

Cantor, D.S., Munoz, R., Flaherty, L., and Ford, L. Neurometric Indices of Childhood Depression. Presented at the National Academy of Neuropsychology. Washington, D.C., Nov. 1989.

Strickland, O.L. and Cantor, D.S. Neurophysiological Correlations of Perimenstrual Syndrome. Poster presentation at the National Academy of Neuropsychology. Washington, D.C., Nov., 1989.

Cantor, D.S. - Invited speaker for National Academy of Neuropsychology- Brain Mapping in Evaluating Functionality in Traumatic Head Injured Patients- Washington, D.C., November, 1989.

Cantor, D.S. - Workshop sponsored by the Innovative Health Foundation and Howard County Dept. of Psychiatry. Neurometric Brain Mapping: Fundamentals and Applications. December, 1989, Columbia, MD.

Cantor, D.S. - In-service to Neurology Dept. of Washington Hospital Center, January, 1990, Washington, D.C. Neurometric Utilization for Traumatic and Mild Head Injury.

Susskind, E. Eisenberg, J., Cantor, D.S., & Ottenstein, R. Computerized Billing Programs for Psychological Practice. Maryland Psychological Private Practice Conference, January, 1990.

Cantor, D.S. - Grand Rounds speaker for Sheppard Pratt Psychiatric Hospital. Neurometric Applications and Findings for Psychiatric Practice. January, 1990, Towson, Maryland.

Cantor, D.S. - Invited speaker to Hearing and Speech Association on Autism: Brain Mapping and Evoked Responses in Developmental Disorders. Ellicott City, Maryland, May, 1990.

Cantor, D.S. Invited lecturer: Neurometric Brain Mapping: New Frontiers for Neuropsychology. Workshop presentation at the Maryland Psychological Association Convention. Columbia, MD, June, 1990.

Cantor, D.S. Workshop: Neurometrics: Fundamentals and Applications in Neuropsychology, National Academy of Neuropsychology Conference, Reno, NV, 1990.

Strickland, O.L. and Cantor, D.S. Neurophysiological Correlates of Perimenstrual Syndrome. Presented at the Society of Psychosomatic Obstetrics and Gynecology. Texas, 1990.

Cantor, D.S. Neurometric Utilization in Rehabilitation Programs. A presentation for Rehabilitation suppliers in the Southeast. Sponsored by Meadowbrook Rehabilitation, Inc. July 25, 1991.

Suffin, S., Cantor, D.S., Jernigan, S., Emory, H. Neurometric indices of pharmacotherapy in psychiatric patients. Presented at the National Academy of Neuropsychology, Nov. ,1991.

Bawden, D. & Cantor, D.S. Neurometric Psychiatric Discriminants: Impact on patient care. Presented at the National Academy of Neuropsychology, Nov., 1991.

Suffin, S., Cantor, D.S., Emory, H., and Jernigan, S. Neurometric indices of medication resistant patients. Presented at the National Academy of Neuropsychology, Nov. 1991.

Cantor, D.S., Jernigan, S., Cantor, William, and Boswell, S. Assessment of brain dysfunction: Concordance of neurometrics and neuropsychological evaluation. Presented at the National Academy of Neuropsychology, Nov. ,1991.

Cantor, D.S. Neurometric Utilization in Rehabilitative Settings. Presented at the National Head Injury research Conference, Washington D.C., Oct. 1991.

Cantor, D.S., and Hartlage, L.C. Neurofunctional evaluations of communities exposed to neurotoxins: Issues for the 1990's. Presented at the National Head Injury Research Conference, Washington, D.C., Oct. 1991.

Cantor, D.S. Invited presented on Neurometrics at the South Carolina Head Injury Conference, February, 1992.

Cantor, D.S. Neurometric Brain Mapping: Neurological Nursing In-service. St. Joseph's Hospital, Atlanta, Georgia, March, 1992.

Johnston, E., Cantor, D., Pavlovich, M., Brown-Lewis, R., Hudson, D. Quantitative Approaches for Designing Selective Sensory Stimulation Programs for Slow to Recover Head Injured Patients. Presentation for the Georgia Speech and Hearing Association, March, 1992.

Cantor, David

Cantor, David S. Neurometrics in Forensic Contexts- Invited Speaker for the *American Academy of Psychiatry and the Law* - Boston, Oct. 17, 1992.

Cantor, D.S. Coma Stimulation Programming. Workshop presentation for the National Academy of Neuropsychology, Nov, 1992, Pittsburgh, PA.

Cantor, David S. Neurometrics: A Focus on Treatment Design and Follow-up. Invited speaker for U.S. Psychiatric Congress, Chicago, Nov., 1992.

Cantor, D.S. Enhancing the Assessment Process: Neurodiagnostic Testing. Invited speaker for Advances in the treatment of the Brain Injured Client. Meadowbrook Sponsored Conference. May 15, 1993.

Cantor, D.S. Neurofunctional Assessment and Treatment of the Comatose Patient: Coma Stimulation Programming: Presentation of the Northeast Georgia Medical Center Conference on Head Injury. Sept. 30, 1993.

Cantor, D.S. Co-presenter for Symposium at the National Head Injury Foundation Conference: Interventions and Outcome from Coma to Community: The Coma Assessment and Recovery Evaluation System (C.A.R.E.S.). Orlando, FL., Nov., 1993.

Cantor, D.S., Strickland, O., and Elmore, D. Pre-Menstrual Syndrome: A Brain-behavior Pandora's Box *Presentation at NAN, Orlando, FL, 1994, Archives of Clinical Neuropsychology*.

Cantor, D.S., Pavlovich, M., and Brown-Lewis, R. Electrical Stimulation and Classical Conditioning of Brain Wave Activity in a Comatose TBI Patient. *Presentation at NAN, Orlando, FL, 1994, Archives of Clinical Neuropsychology*.

Cantor, D.S. *Neuropsychological Assessment and Model of Neurorehabilitation for Neurotoxicity*. Presented at the Citizen Ambassador Program/U.S. Public Health Services - Environmental Conference, Moscow, Russia. Aug. 13-20, 1994.

Cantor, D.S. In-Utero and Postnatal Exposure to 2,3,7,8 TCDD in Times Beach, Missouri: Impact on Neurofunctional Status. Presentation for the 2nd Citizens Conference on Dioxin. St. Louis, MO. July, 1994.

Cantor, D.S. Neurometric Brain Mapping: A Neuropsychological Tool in Neurological Rehabilitation. Presentation at the 8th Annual Conference on Cognitive Rehabilitation and Community Integration After Brain Injury. Focus on Memory: New Research and Practical Applications. San Antonio, TX, Sept. 29-October 2, 1994.

Cantor, D.S., Pavlovich, M., and Brown-Lewis, R. The Comprehensive Assessment and Recovery Evaluation System: (C.A.R.E.S.). Presentation at the 8th Annual Conference on Cognitive Rehabilitation and Community Integration After Brain Injury. Focus on Memory: New Research and Practical Applications. San Antonio, TX, Sept. 29-October 2, 1994.

Cantor, D.S. Neurotoxicity and Neuropsychological Deficits: The New Epidemic. Presentation for the National Head Injury Conference, Chicago, 1994.

Strickland, O., Cantor, D.S., & Elmore, D.K. (1994). MMPI-2 profiles and menstrual cycle symptom patterns in women with and without PMS. (Abstract). Presentations of the 29th Annual Symposium on Recent Developments in the Use of the MMPI, MMPI-2 & MMPI-A. Minneapolis, MN: University of Minnesota, Department of Psychology.

Strickland, O.L., Cantor, D.S., Elmore, D.K., & Starks, T. (1995). Diagnosing PMS: Menstrual cycle symptom patterns of women with and without PMS. (Abstract). Proceedings of the Ninth Annual Conference of the Southern Nursing Research Society, Lexington, Kentucky, February 16-18, 1995.

Strickland, O., Cantor, D.S., Elmore, D.K., & Starks, T. Women's Perceptions of the Impact of Dysphoric PMS on Their Lives," Society for Menstrual Cycle Research, Montreal, Canada, June, 1995.

Cantor, David

Cantor, D. In-Utero and Postnatal Exposure to 2,3,7,8 TCDD in Times Beach, Missouri: Support for Psychoneuroimmunologic Axis - Presentation at the 14th Annual International Conference for Neuroimmunotoxicology. Hot Springs, OK - October, 1996.

Cantor, D.S. Neurometrics - Changing Psychology for the 21st Century. Presentation for the Georgia Psychological Association. Savanna, Ga. May, 1996.

Cantor, D.S. Neurometrics - Changing Psychology for the 21st Century. Presentation for the National Academy of Neuropsychology. New Orleans, LA. November, 1996.

Cantor, D.S. - Neurotoxicity: The New Silent Epidemic - Presentation for PRSG - Callenwald Center, Atlanta, GA, February, 1997.

Cantor, D.S. and Duncan, S. Psychological and Neuropsychological Issues in Forensic Psychology. Presented for the Georgia Psychological Association, May, 1998, St. Simon's Island, GA.

Edelson, SB, and Cantor, DS. *Neurotoxicity Correlates of Autism*. Presented at the Autism Society of America. Las Vegas, NV, July, 1998.

Cantor, D.S. The Assessment and Treatment Considerations of Childhood Disorder – presented for the Brandon Hall School of Atlanta, Sept. 2., 1998.

Cantor, D.S. The Assessment and Treatment Considerations of Childhood Disorder – presented for the Gwinnett County School Psychologists and County Education Psychological Services, Nov, 11, 1998.

Edelson, S. and Cantor, D.S. *A Neurotoxicity Model for Autism*. Presented at the Autism Society of America, Kansas City, MO, July, 1999.

Cantor, D.S.; Strickland, O.L., and Elmore, D. *Pre-Menstrual Syndrome: Brain Functional Correlates to Dysphoria in PMS*. Presented at the National Academy of Neuropsychology, Orlando, Fl. November, 2000.

Cantor, D.S. Ulam, F. , Dieter, J. *Neurofunctional Status of Community Residents Evidencing Toxic Lead Levels*. Presented at the National Academy of Neuropsychology. Orlando, Fl, November, 2000.

Edelson, S. and Cantor, D.S. *A Proposed Cause and Treatment for Autism: Neurotoxicity*. Presented at the National Academy of Neuropsychology. Orlando, Fl. November, 2000.

Cantor, D. Psychological and Neuropsychological Techniques in Forensics. Guest lecturer for Perimeter College – October, 2001.

Cantor, D.S. and Strickland, O.L. – *Neurometric QEEG Correlates in PMS Disorders* – ECNS Annual Meeting, Monterey, CA, Oct., 2001.

Cantor, D.S. – *Neurometric QEEG findings in Neuropsychiatric Disorders* – ECNS Annual Meeting – Monterrey, CA, Oct., 2001.

Gottlieb, D. & Cantor, D. *Adult Rehabiliations: Utilization of Community Based Providers in Multidisciplinary Management of Patients*, NORA Conference, Cincinnati, March, 2002.

Cantor, D. S. – *Autism: Neurobehavioral and Neurodevelopmental Issues* – NORA Conference, Cincinnati, March, 2002.

Cantor, D.S. *Childhood and Adolescent Depression* - Georgia Psychological Association Annual Convention – Savannah, GA , May, 2002.

Cantor, D.S. *QEEG Correlates of Psychoneuroimmunology*. Presented at the EEG & Clinical Neuroscience Conference, Baltimore, MD, Sept., 2002.

Cantor, D.S. *The Role of the Neuropsychologist in Psychoneuroimmunology*. Presented at the National Academy Neuroscience Conference, Oct. 2002, Miami, FL.

Koci, A. , Strickland, O., Deaton, C. & Cantor, D. (2002). *Relationship of Anger, Anxiety, and Depression to Perimenstrual Symptoms (PMS)*. Proceedings of the 5th Annual Women's Health Care In the New Millennium, National Association of Nurse Practitioners in Women's Health, September, 25-28, 2002, Scottsdale, Arizona.

Cantor, D. Suffin, S., Stevens, E., and Peed, D – *Symposium: Therapeutic Applications of QEEG Analyses, EEG and Clinical Neuroscience Society Conference- 2003* – Houston , TX

Cantor, D. & Rowland, M. *New Advances in the Treatment of Autism* – Southeast Chapter of Georgia Autism Society- Sept, 2003.

Cantor, D. *Overview of Assessment and Treatment Issues for Children with Affect Disorder and Obsessive Compulsive disorders*. Gwinnett County School System – March, 2005.

Cantor D. – *Overview: Asperger's Syndrome and High Functioning Autistics*. Lohrman Educationl Seminars. Atlanta, GA April, 2005.

Cantor, D. *Forensic Foundations: Child and Adolescent Development*. Sponsored by Georgia State Assoc. of Public Defenders – Training Program. April, 2005.

Cantor D. *Overview: Assessment and Treatment Issues of Children with Developmental Disorders*. Sponsored by Summit Ridge Hospital. May, 2005.

Cantor, D. *QEEG Fundamentals in Clinical Practice*. Sponsored by Inner Harbor Hospital and West Georgia College. Douglasville, GA, June 17, 2005.

Cantor, D. & Konopka, Lukasz – *QEEG: Fundamentals and Clinical Applications* – Sponsored by BrainDx- Atlanta, GA, Jul7 22-23, 2005.

Cantor, D. & Davis, R. *Parenting Issues and Techniques as a Single Parent*. Sponsored by Perimeter Church, Atlanta, GA. Sept 4, 2005.

Cantor, D. & Stevens, E. *QEEG Evidence of Auditory-Visual Entrainment Treatment Efficacy of Refractory Depression* - – ECNS Conference, Munich, Germany, Sept 7, 2005.

Cantor, D. *QEEG Fundamentals in Clinical Practice*. Sponsored by Inner Harbor Hospital and West Georgia College. June 17, 2005.

Cantor, D. & Konopka, Lukasz – *QEEG: Fundamentals and Clinical Applications* – Sponsored by BrainDx- Atlanta, Ga, Jul7 22-23, 2005.

Cantor D. – *Clinical Neuroscience and Psychology: A marriage made for the 21st Century*- Workshop presentation for the Joint meeting of the Georgia Psychological Association and Georgia Family Law Association – Destin, FL, May, 2006.

Cantor D. *Neurobehavioral Electrophysiology*: Invited Address for the International Society of Neurofeedback and Research – Atlanta, Sept. 2006.

Cantor D. – *Neurobehavioral Electrophysiology: Where have we come from and where are we going?* Presential Address for the Joint meeting of the EEG and Clinical Neuroscience Society and International Society of Neuroimaging in Psychiatry- Boston, Sept. 2006

Cantor D. – *Workshop on Advanced Applications of QEEG and other electrophysiological tests.* Presented for International Society of Neurofeedback and Research – Atlanta, 2006.

Cantor D. – *The Role of QEEG in Evidence-based Treatment Models.* Presidential Address for the 4th Joint meeting of the EEG and Clinical Neuroscience Society and International Society of Neuroimaging in Psychiatry – Montreal, 2007

Cantor, D. Malone, M. Chabot, R. QEEG and VARETA Profiles in Children with Autism. *Symposia presentation at the 39th Annual Meeting - Applied Psychophysiology and Biofeedback, Daytona Beach, Fl, April, 2008.*

Cantor, D. Utilization of Quantitative EEG (QEEG) in Forensic Cases. Workshop presentation at the *American College of Forensic Examiners Annual Conference-* San, Diego, CA, Sept, 2008.

Cantor, D. and Chabot, R. QEEG studies in the Assessment and Treatment of Childhood Disorders. Presentation at the Evidence Based Medicine of QEEG. 5th Joint EEG and Clinical Neuroscience Society – International Society of Neuroimaging in Psychiatry – Frankfort, Germany, Sept. 10, 2008.

Cantor, D., Malone, M. Chabot, R. *QEEG and VARETA Profiles in Autism Spectrum Disorders: Severity and Medication Correlates.* Presentation at the 37th Annual International Neuropsychological Society Conference, Atlanta, GA, Sept. 11-14, 2009.

Cantor, D., Chabot, R. *QEEG and VARETA/LORETA Correlates to Neuropsychological Performance.* Presentation at the 37th Annual International Neuropsychological Society Conference, Atlanta, GA, Sept. 11-14, 2009.

Cantor, D., Lord, R., and Bralley, A. *The Role of Xenobiotic Agents in EEG Dysconnectivity in Autism* – Presentation at the 6th Joint EEG and Clinical Neuroscience Society-International Society for Neuroimaging in Psychiatry Conference- Atlanta, GA, 2009.

Cantor, D. *Sensory Integration and Behavior.* Presentation for Georgia Association – Atlanta Chapter – Speech Language Pathologists and audiologists – November, 2010

Gottlieb, D and Cantor, D. *Changing Brain and Changing Function* – presentation to the Georgia Occupational therapy Association – annual meeting, March, 2011

Gottlieb, D. and Cantor, D. *Living Evidenced Based Medicine: Integration of Neuro-optometric and Neurofunctional Tools* – Lessons from Vision Research presentation to NORA conference – Atlanta, April, 2011.

Cantor, D. *Working with Trauma: Adolescents* – statewide webinar for training foster parents – GA State DFCS- April, 2011

Cantor, D. *Neurotoxins: Effects on Brain & Behavior & Therapy* – invited speaker for 20th Anniversary International Society for Neurofeedback and Research Conference- Orlando, FL – Sept. 2012

Cantor, D. *Multifactorial Considerations in the Diagnosis and Treatment of Autism.* Keynote Speaker for 1st International Conference of Biofeedback – Brazil; San Paolo, Brazil, August 29-Sept 1, 2013.

Cantor, D. *Understanding and Working Childhood Disorder* – presented for RESA Traing Workshop – Griffin, GA (serving 8 counties of Georgia) - Feb., 2014

Cantor, D. *Sensory Processing Disorders: Foundation of Pathology* – presented for the Association of Applied Psychophysiology and Biofeedback, Savannah, GA March, 2014.

Cantor, D. *Autism 102: New methods of assessment and treatment for Autism*- Georgia Psychological Association – Sept., 2015

Cantor, D. *Understanding and Working with Childhood Disorders* – part 1 – presented for RESA Training Workshop – Griffin, GA (serving 8 counties of Georgia) - January, 2015

Cantor, D. *Understanding and Working with Childhood Disorders* – part 2 – presented for RESA Training Workshop – Griffin, GA (serving 8 counties of Georgia) - January, 2015

Cantor, D. *Understanding and Working with Childhood Disorders* – presented for RESA Training Workshop – Macon, GA (serving 8 counties of Georgia) - March, 2015

Cantor, D. *Sensory Processing Disorders: Foundation for ANS and CNS Pathology & Treatment*- Southeastern Biofeedback and Clinical Neuroscience Conference – Charlotte, NC – November, 2014

Cantor, D. *Understanding and Working with Childhood Disorders* – part 1 – presented for RESA Training Workshop – Griffin, GA (serving 8 counties of Georgia) - December, 2015

Cantor, D. *Understanding and Working with Childhood Disorders* – part 2 – presented for RESA Training Workshop – Griffin, GA (serving 8 counties of Georgia) - January, 2016

Cantor, D. *Mentally Ill Persons Who Commit Crimes: Punishment or Treatment?* –presentation and facilitation of discussion for *Rise Up* – Oglethorpe University – February, 2016

Cantor, D. *Frontal Gamma Asymmetry as a Forensic Tool for Evaluation of Emotional Valence in a Murder Case*. Symposium on 3-D EEG imaging of cortical dynamics in emotion and decision making. International Organization for Psychophysiology, Havana, Cuba, August, 2016.

Cantor, D. Genardi, D, and Soutar, R. *Brain Functional Networks: Theory and Application*. International Society of Neurofeedback and Research, Orlando, FL. Sept, 2016.

Cantor, D. & Genardi, D. *Brain Functional Networks: Overview and Clinical Applications*. Southeastern Neurofeedback and Clinical Neurosciences Association, Nov, 2016.

Cantor, D. *Understanding and Working with Childhood Disorders* – presented for RESA Training Workshop – Rome, GA - Nov, 2016

Cantor, D. Keynote Speaker. Mexican Society for Neurofeedback. Mexico City, Mexico, Nov, 2016. (1) *Neural Network Training: Is this really a good idea?*; (2) *QEEG in the assessment and treatment of childhood disorders*.

Cantor, D. & Soutar, Richard – *Brain Functional Networks; Theory and Application*- Preconference Workshop – International Society of Neurofeedback and Research, September, 2017.

Cantor, D., Genardi, D, Mitton, B, and Chabot, R. *A Model for qEEG and sLORETA Correlates to Predicting and Enhancing Human Performance: A Multivariate Approach*, Paper Presentation – International Society for Neurofeedback and Research, September, 2017

Cantor, D. Thatcher, R., Kropotov, J., and Kerasidis, H. – *Special Forum: Artifact Identification of the Raw EEG: Potential Confound in qEEG and Neurofeedback Protocols* – International Society of Neurofeedback and Research, September, 2017.

Bonstetter, R., Wigton, N., Collura, T., Cantor, D. – *Decision Making Networks and the Role of Emotions*- Workshop for the International Society of Neurofeedback and Research, September, 2017.

Cantor, D. *A Review of Neural Networks: Theory and Applications* – workshop provided to the Applied Neuroscience Society of Australasia – Brisbane, Australia, August 2018

Cantor, D. *A Multivariate Approach to Integrate Neurofeedback Protocols in the Treatment of Child Disorders* – KEYNOTE SPEAKER – Applied Neuroscience Society of Australasia – Brisbane, August 2018

Cantor, D. *Brain-Computer Interfaces: Futuristic dream or impending reality*- Invited Speaker – Applied Neuroscience Society of Australasia – Cairns, August 2019

Cantor, D. *Limits to Neurofeedback Therapy: What We Need to Know* – Invited Speaker – Applied Neuroscience Society of Australasia – Cairns, August, 2019

Cantor, D. Invited speaker – Special Symposium: *Quantitative Brain Functional Assessment: Mapping the Brain to Guide Rehabilitation* – American Congress of Rehabilitative Medicine – 2020

Cantor, D. – Invited Speaker – Symposium: Update on clinical use of neuromodulation in neurology and psychiatry- *qEEG Guided Neurofeedback: Introductory Overview* – presented to the joint ECNS/ISNIP/ISBET/ISFSI International Conference – 2020

Cantor, D. – presented *COVID and the Brain* – special presentation – the International Society of Neuroregulation and Research – Virtual Conference – 2021

Cantor, D. – presented *COVID: Impact on the Brain and qEEG Correlates* – the International Organization of Psychophysiology – Virtual Conference – Sept 7-11, 2021

Cantor, D. – presented *Efficacy of Neurofeedback as a Paediatric Health Service* for the 5th Asian Pacific Neurofeedback Association Conference, Oct. 2021.

Clay, T, Cantor, DS, Strickland, O., Kerson, C., Sherman, R., van Deusen, A., Brown, S. *PMS Dysphoria Syndrome: qEEG Correlates and sLORETA Default Mode Network and Implications for Trauma*. 30th Annual ISNR Conference – Orlando, FL 7/2022

Cantor, D. Swatzyna, R., Turner, R. special Panel on *COVID: Effects on Brain-Behavior*, Special Panel Presentation moderated by Tira Clay for the Annual ISNR Conference – Orlando, FL, 7/2022

Cantor, D. and Gottlieb, D. *Changing Perception- Changing Brain Function* – paper presentation at the International Society of Neuroregulation and Research, Dallas, 2023

Cantor, D. and Turner, R. *Toxins: The Root of All Evils – Impact on Brain and Behavior* – workshop presentation at the International Society of Neuroregulation and Research, Dallas, 2023.

Cantor, D. and Collura, Thomas: *Consciousness and Adaptation: Quantum Theory and Beyond*. Presented at the International Society of Neuroregulation and Research, Chicago, 2024.

Cantor, D. *Neurometric Quantitative Electrophysiology: Bringing More “Neuro” into Neuropsychology*, American Academy of Pediatric Neuropsychology Conference, Poster Presentation - Virtual Conference, 2025

Cantor, D., Collura, T., and Bonstatter, R. *Integration of Frontal Gamma Asymmetry as a Forensic Tool for Emotional Valence in a Murder Case* – **Top Award winning poster** at Association of Applied Psychophysiology and Biofeedback Conference – April, 2025

Cantor, D. Collura, T. and Bonstetter, R. *qEEG and Gamma Asymmetry in Forensic Neuroscience: Emotional Valence in a Murder Case Analysis*. Presented at the EEG and Clinical Neuroscience Society – Munich, Germany, September, 2025.

Cantor, D. *Harmonizing Clinical QEEG Practice: IQCB Guidelines for Acquisition and Reporting*. Presented at the EEG and Clinical Neuroscience Society – Munich, Germany, September, 2025.

Robinson, Z. Doster, A. and Cantor, D. *Phase Lag & Neural Synchrony: Insights from qEEG in Early Brain Development in Autistic Children (under age 6) – top award winning poster presentation* – 23rd ISNR Conference Niagara Falls – Sept, 2025

Tanju Surmeli, MD, QEEG-DL, BCN; Ayben Ertem, MSc, BCN; Nasira C. Bukhari, MSc; David S. Cantor, PhD, QEEG-DL, BCN, FNAN; Emin Eralp, BS; Haitham Jahrami, PhD. *Can QEEG-guided neurofeedback treatment improve intellectual functioning in patients with intellectual disability?* Presented at the 23rd International Society of Neuromodulation and Research, Niagara Falls, NY Sept. 2025

Tanju Surmeli, MD, QEEG-DL, BCN; Ayben Ertem, MSc, BCN; Nasira C. Bukhari, MSc; David S. Cantor, PhD, QEEG-DL, BCN, FNAN; Emin Eralp, BS; Haitham Jahrami, PhD. *Can QEEG-guided neurofeedback treatment improve intellectual functioning in patients with intellectual disability?* Presented at the EEG Clinical Neuroscience Conference – Munich, Germany, Sept 2025

Special Conference Participant:

Environmental Influence on Children: Brain, Development, and Behavior – New York Academy of Medicine, May, 1999

Defeat Autism Now! – Atlanta – 5/4-5 -/2001

Special Invitee – Center for Scientific Review – NIH – Bethesda, MD, March 2, 2007.

Chapters, Books, and Journal Publications

Cantor, D.S. Book Review: Neuropsychology Across the Life Span (A.M. Horton, Ed.). Archives of Neuropsychology, 1991.

Cantor, D.S. Neurometrics in Neuropsychological Practice. Bulletin of the National Academy of Neuropsychology, May, 1990, 7(2), 11-13.

Cantor, D.S., Fischel, J., and Kaye, H.

Neonatal Conditionability: A New Paradigm for exploring the Use of Interoceptive Cues Infant Behavior and Development, 1983, 6, 403-413.

Cantor, D.S., Thatcher, R.W., Kaye, H., and Hrybyk, M. Computerized EEG Analyses of Autistic Children. Journal of Autism and Developmental Disorders, 1986, 16, 169-187.

Cantor, D.S., Waters, H., and Andreasen, C.

The Development of Visual Episodic Memory: Relationships between verbalizable knowledge, strategy use, and performance. Journal of Experimental Child Psychology, 1985, 40, 218-232.

Cantor, D.S., Thatcher, R.W., Ozand, P.T., Kumin, L., and Rothschild, J. Choline Supplementation in Downs Syndrome: A Case Study Psychological Reports: Perceptual and Motor Skills, 1986, 58, 207-217.

Cantor, D.S., Holder, G., Cantor, W., Kahn, P., Smoger, G., Rodgers, G., Swain, W., and Berger, H. In-utero and postnatal exposure to 2,3,7,8 TCDD in Times Beach, Missouri: 2. Impact on Neurophysiological Functioning. Proceedings of the International Symposium on Dioxin and Related Compounds. Vienna, Austria, 1993.

Cantor, D.S. *An Overview of Quantitative EEG and Its Applications to Neurofeedback*. In J. Evans and Abarbanel (Eds.) *Introduction to Quantitative EEG and Neurofeedback*. New York: Academic Press, 1999.

Cantor, D.S. & Stevens, E. QEEG Correlates to Auditory-Visual Entrainment In Refractory Depression – *Journal of Neurotherapy*, 13,100-108, 2009

Cantor, D. Applying advanced methods in clinical practice. In Budzynski, T, Budzynski, H., Evans, J. and Abarbanel, A. Introduction to Quantitative EEG and Neurofeedback: Advance Theory and Applications, 2nd Ed. Academic Press, 2009, 63-81.

Cantor, D. and Chabot, Robert. QEEG Studies in the Assessment and Treatment of Childhood Disorders, *Clinical EEG and Neuroscience*, Vol. 40, No.2, April, 2009, 113-121.

Cantor, D. & Evans, J. (Eds.) Clinical Methods of Neurotherapy: Techniques and Treatment Applications. Academic Press, 2014.

Cantor, D. *Learning: Extracting Experiences in the Space-Time Continuum*. In *Neurofeedback: The First Fifty Years*, J. Evans, M.B. Dellinger, H.L. Russell (Eds.); Elsevier Publications, Academic Press, 2020; pg 57-65

Cantor, D. COVID-19: *Effects on Brain and qEEG Correlates-A Window Into the Future*, Proceedings of the 20th World Congress of Psychophysiology (IOP 2021) of the International Organization of Psychophysiology (IOP) Volume 168, Supplement, Pages 1-234 (October 2021)

Cantor, D.S. Pritchep, L.S., Quantitative EEG Clinical Applications: A Review and Update. In Introduction to Quantitative EEG and Neurofeedback, Third Edition edited by Dan R. Chartier, James R. Evans, Mary Blair Dellinger and Helen Kogan Budzynski. Academic Press, Elsevier, 2023.

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Papers Submitted:

1. Frontal Gamma Asymmetry as a Forensic Tool for Emotional Valence in a Murder Case Study – submitted to “Neuromodulation”
2. Evaluation of Brain Activity in Premenstrual Dysphoric Disorder Using Standardized Low Resolution Electromagnetic Tomographic Analyses (sLORETA)
3. (Book Chapter) BIOLOGICAL RHYTHMS AND TIME PERCEPTION – in Rhythm and Entrainment in Neuromodulation, Evans, J. Dellinger, M. and Minton, B. Eds). – Elsevier Press.

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