

CURRICULUM VITAE

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PERSONAL DATA:

Date of Birth: November 25, 1945
Place of Birth: Haifa, Israel
Marital Status: Married, Two Children
Citizenship: U.S.A.

UNDERGRADUATE EDUCATION:

1969-1972 "Technion" - Israel Institute of Technology Associate in Science
Major: Electrical Engineering

1972-1974 West Virginia University, Morgantown, W. Virginia,
B.Sc. Electrical Engineering

GRADUATE EDUCATION:

1974-1975 West Virginia University - M.Sc. Electrical Engineering -
Major in Biomedical Sciences

1979-1983 School of Graduate Studies at West Virginia University
- Inter-Disciplinary Doctorate Program
- Doctorate Education Psychology

CERTIFICATION AND REGISTRATION:

- 2004 - Certified in Clinical Engineering – Healthcare Technology Commission – Certificate No. 118.
- 1999 - Fellow of the American Board of Forensic Engineering and Technology, The American College of Forensic Examiners Institute - ID No. 17785.
- 1994 - Advisor – Department of Health & Human Services - Food and Drug Administration (FDA).
- 1989 - Certified Clinical Engineer (C.C.E.) – The International Certification Commission (ICC) – Certificate No. 400.
- 1985 - Registered Professional Engineer in Biomedical Engineering, (P.E.), State of Texas Registration – Certificate No. 91626.
- 1981 - 2008 International Health Care Safety Professional (C.H.S.P.), Board Executive Level. - Certificate No. 263.

PROFESSIONAL EXPERIENCE:

- 2008- Present Principal, Biomedical Engineering Consultants, L.L.C., Houston, Texas.
- 2012- Present Patient Safety Organization (PSO) - National Medical Safety Board (NMSB).
- 2011- Present Editorial Board Member, Journal on Health and Technology, Springer, New York, NY, USA
- 2008- Present Editorial Board advisor, Biomedical Safety & Standards, Philadelphia, Pennsylvania.
- 2009-Present Interim CEO, Canopy Edge, Inc., Houston, Texas.
- 2009-Present Chairman, Clinical Engineering Division, International Federation of Medical and Biological Engineering (IFMBE).
- 2008-Present Adj. Asst. Professor, University of Texas, School of Public Health, Houston, Texas.
- 2006-Present Member, Clinical Engineering Board, International Federation of Medical and Biological Engineering.
- 2002-Present Senior Biomedical Research Service Credentials Reviewer, Food and Drug Administration, Rockville, Maryland.
- 2003-Present Adi. Professor. Biomedical Engineering Program. Health Sciences Division.

PROFESSIONAL EXPERIENCE (CONT.):

- 1993-Present Advisor, World Health Organization (WHO/PAHO) – Healthcare Infrastructure and Technology, Washington, DC.
- 1993-Present Consultant, General Hospital and Personal Use Devices Panel, Center for Devices and Radiological Health, Food and Drug Administration (FDA), Department of Health & Human Services, Rockville, Maryland.
- 1987-2010 Adj. Assistant Professor, Department of Pediatrics, Baylor College of Medicine, Houston, Texas.
- 1987-2008 Director, Biomedical Engineering Department, Texas Children's Hospital, Houston, Texas.
- 1976-2008 Advisor, Biomedical Engineering Consultant, Houston, Texas.
- 2004-2007 Member, Advisory Board Mobile Aspects Corporation, Pittsburgh, Pennsylvania.
- 2004-2006 Judge, Medical Design Excellence Awards, Canon Communications, www.MDEAwards.com.
- 1998-2005 Advisor, ORBIS' International Program Advisory Council (IPAC).
- 1996-2005 President, Center for Telemedicine Law (CTL), Washington, D.C.
- 1987-2004 Director, Biomedical Engineering Department, Texas Children's Hospital, St. Luke's Episcopal Hospital and Texas Heart Institute, Houston, Texas.
- 1998-2001 Director, Center for TeleHealth, Texas Children's International, Houston, Texas.
- 1994 Consultant, Department of Health & Human Services, Food and Drug Administration (FDA), Neurological Devices, Washington, D.C.
- 1991-2000 Advisor, NASA Technology Applications Team, Biomedical Advisory Group, Houston, Texas.
- 1984-1999 Adj. Associate Professor, University of Texas Health Sciences Center at Houston, Department of Anesthesiology, Houston, Texas.
- 1998 Advisor, Orthopedics and Rehabilitation Devices Advisory Panel, Food and Drug Administration (FDA), Rockville, Maryland.
- 1984-1986 Lecturer, Baylor College of Medicine, Department of Community Medicine, Houston, Texas.
- 1982-1987 Director, Biomedical Instrumentation Department, St. Luke's Episcopal Hospital/Texas Children's Hospital/Texas Heart Institute. Houston. Texas.

PROFESSIONAL EXPERIENCE (CONT.):

- 1979-1982 Research Assistant Professor, Department of Anesthesiology, West Virginia University School of Medicine, Morgantown, West Virginia.
- 1976-1982 Director, Biomedical Engineering Section, West Virginia University Hospital, Morgantown, West Virginia.
- 1976-1979 Research Instructor, Department of Anesthesia, West Virginia University Hospital, Morgantown, West Virginia.
- 1975-1976 Design Engineer, Rockwell International, Collins Radio Division, Cedar Rapids, Iowa.
- 1974-1975 Research Assistant (Part Time), W.V.U. Department of Physiology and Biophysics (American Heart Association Grant).
- 1974-1975 Fulfilled the M.Sc. Degree requirements - Research Project Investigation of New Pacemaker Electrode Design with Dr. T. J. Tarnay, M.D. Division of Thoracic Surgery - W.V.U. School of Medicine.
- 1974-1975 Instructor, Electrical Engineering Department, W. Virginia University College of Engineering.
- 1973-1974 Orderly, Operating Room, West Virginia University (W.V.U.), Medical Center, Morgantown, West Virginia.
- 1969-1972 Senior Electrical Technician, Advanced Systems, Design, Testing and Simulation, "Armament Authority Development," Israel.

HONORS AND AWARDS:

- 1993- present IEEE/EMBS Distinguished Lecturers.
- 2011 - American College of Clinical Engineering (ACCE) – Life Time Achievement Award
- 2011- present Designated Ambassador – IEEE Public visibility program
- 2009- 2011 Designated Technical expert – IEEE Public visibility program
- 2008 - American College of Clinical Engineering (ACCE) / Association for the Advancement of Medical Instrumentation (AAMI) - Robert L. Morris International Humanitarian Award – Recipient.
- 2008 - Health Data Management, the Nursing Information Technology Innovation Award, Honorable Mention
- 2007 - ECRI Institute Health Technology Management Award
- 2007 - Medical systems integration Award, HIMSS Industry affiliated
- 2006 - Texas Children's Hospital, Patient Safety Award from CEO/Mark Wallace
- 2006 - ECRI Institute Achievement Award – Customer Service program.
- 2004 - The Institute of Electrical and Electronics Engineers (IEEE), Senior Member.
- 2003 - Tec De Monterrey. School of Medicine. Mexico – Visiting Professor.

- 2001 - Food and Drug Administration (FDA), Commissioner's Special Citation – Recognition Recipient.
- 2000 - American Board of Forensic Engineering and Technology - Diplomat.
- 1999 - American College of Clinical Engineering - Awarded Fellow status.
- 1992 - The American Institute of Medical and Biological Engineering (AIMBE) - Inducted Founding Fellow.
- 1975 - Kirkland Scholarship - Recipient.
- 1974 - Eta Kappa Nu Association - National Honorary of Electrical Engineering.
- 1973 - West Virginia University, Engineering Dean's Honor List.

PROFESSIONAL SOCIETIES AND COMMITTEE MEMBERSHIPS:

Healthcare Technology Foundation (AHTF) www.acce-htf.org,

- President Emeritus – (2008-Present)
- Immediate Past President – (2006-2007)
- Founder, President – (2002-2006)

Biomedical Advisory Committee (BAC) – Chairman, (2003-Present)

National Fire Protection Association - (N.F.P.A.) - Technical Committee on:

- Health Care Facilities (NFPA-99) sections on:
 - Medical Gas Delivery Systems - Chairman (2002- 2008)
 - The Safe Use of Electrical Equipment (2) Medical Gases (1977 - 2010).
- Laser Safety Committee (NFPA-115) - Chairman - (1998-2008).

Association for the Advancement of Medical Instrumentation - (A.A.M.I.)

- Application of Quality Systems to Medical Device Data Systems Working Group (MDDS/QS) - Co- Chairman (2011-Present)
- Uniformed Terminology and Taxonomy Initiative - Chairman (2008-Present)
- Electro Magnetic Compatibility (EMC) Committee (1998-Present).
- Electrical Safety Committee (1995-Present).
- Education Committee (1985).

National Forensic Center Distinguished Expert (1987-Present).

American College of Clinical Engineering (ACCE)

- Healthcare Technology Foundation - President (2002-2006)
- Bylaws Review Committee - Chairman (2001)
- Elected Fellow (1999)
- Vision 2000 Task Force (1996)
- Nominations Committee Chairman (1993)
- Charter member (1990-Present)
- President (1990)

Biomedical Engineering Advisory Council - Texas A&M University,
Charter Member, (1998-2008).

Journal of Medical Engineering and Physics - Elsevier Science -

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