

CURRICULUM VITAE

Yadin B. David

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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:

19691972 "Technion" Israel Institute of Technology Associate in Science
Major: Electrical Engineering

19721974 West Virginia University, Morgantown, W. Virginia,
B.Sc. Electrical Engineering

GRADUATE EDUCATION:

19741975 West Virginia University M.Sc. Electrical Engineering
Major in Biomedical Sciences

19791983 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 - Diplomat of the American Board of Forensic Engineering and Technology, The American College of Forensic Examiners - 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 International Health Care Safety Professional (C.H.S.P.), Board Executive Level. - Certificate No. 263.

PROFESSIONAL EXPERIENCE:

- 2009-Present Interim CEO, Canopy Edge, Inc., Houston, Texas.
- 2008-Present Principal, Biomedical Engineering Consultants, L.L.C., Houston, Texas.
- 2008-Present Asst. Professor, University of Texas, School of Public Health, Houston, Texas.
- 2008-Present Editorial Board Member, Biomedical Safety & Standards, Philadelphia, Pennsylvania.
- 2006-Present Member, Clinical Engineering Board, International Federation of Medical and Biological Engineering.
- 2004-2008 Member, Advisory Board Mobile Aspects Corporation, Pittsburgh, Pennsylvania.
- 2002-Present Senior Biomedical Research Service Credentials Reviewer, Food and Drug Administration, Rockville, Maryland.
- 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 Adjunct Assistant Professor, Department of Pediatrics, Baylor College of Medicine, Houston, Texas.

PROFESSIONAL EXPERIENCE (CONT.):

- 1998 Advisor, Orthopedics and Rehabilitation Devices Advisory Panel, Food and Drug Administration (FDA), Rockville, Maryland.
- 1987-2008 Director, Biomedical Engineering Department, Texas Children's Hospital, Houston, Texas.
- 1976-2008 Advisor, Biomedical Engineering Consultant, Houston, Texas.
- 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.
- 1994-1977 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 Adjunct Associate Professor, University of Texas Health Sciences Center at Houston, Department of Anesthesiology, Houston, Texas.
- 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.
- 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.

PROFESSIONAL EXPERIENCE (CONT.):

- 1974-1975 Research Assistant (Part Time), W.V.U. Department of Physiology and Biophysics (American Heart Association Grant).
- 1974-1975 Research Project Investigator, Division of Thoracic Surgery - W.V.U. School of Medicine. M.Sc. Degree research protocol - New Pacemaker Electrode Design with Dr. T. J. Tarnay, M.D.
- 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.
- 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 - HIMSS industry award
- 2006 - Texas Children's Hospital, CEO Patient Safety Award.
- 2006 - ECRI Institute Achievement Award – Customer Service.
- 2004 - The Institute of Electrical and Electronics Engineers (IEEE), Senior Member.
- 2003 - Tec De Monterrey, School of Medicine, Mexico – Visiting Professor.
- 2002 - Chinese PLA Postgraduate Medical School - Visiting Professor.
- 2001 - Food and Drug Administration (FDA), Commissioner's Special Citation - 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) - Elected to the College of Founding Fellows.
- 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)

PROFESSIONAL SOCIETIES AND COMMITTEE MEMBERSHIPS (CONT.):

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 (2002-2009)
 - The Safe Use of Electrical Equipment (2) Medical Gases (1977 - 2009).
- Laser Safety Committee (NFPA-115) - Chairman - (1998-2008).

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

- 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 (1987-2008).

American College of Clinical Engineering (ACCE)

- Healthcare Technology Foundation - President (2002-2006)
- Bylaws Review Committee - Chairman (2001)
- 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 -
Editorial Review Board (1995-2008).

National Recall Alert Center – Charter Member (1991-2008).

National Society of Professional Engineers (N.S.P.E.) - Member (1985-2006).

Center for Telemedicine Law (CTL)- Charter member, President (1996-2004).

Engineering in Medicine and Biology Society - (E.M.B.S.):

- Annual International Conference - Technical Program Committee (2002-2009).
- Clinical Engineering committee - Chairman/member (2001-2009).
- Technical Committee on Clinical Engineering - Chairman (1982-86, 1990-94, 2002-06).
- Co - Chairman of the Pittsburgh Section (1982 - 1983).

American Institute of Biological Sciences (AIBS) and the United States Army Research and
Material Command (USAMRMC), Peer Review Panel on the “Defense Women’s Health
(DWH) Research Programs,” Baltimore, Maryland, - Scientific Grant Reviewer (1999).

PROFESSIONAL SOCIETIES AND COMMITTEE MEMBERSHIPS (CONT.):

American Society for Healthcare Engineering (ASHE)

- TeleHealth Committee (1996-2000).
- Clinical Engineering and Technology Management Committee (1993-1997).

United States - Israel Science And Technology Commission, BiNational Committee (1996-2000).

Association of Field Service Managers International (A.F.S.M.) (1995-2001).

Texas State Technical Institute - Biomedical Technology Program Adviser (1994).

American Heart Association-Texas Affiliate-Research Allocations and Advisory Committee-Grant Application Reviewer (1993-1996).

The Institute of Electrical and Electronics Engineers (IEEE):

- Technology policy Committee, I.E.E.E./TAB, Washington, DC (1993-1995).
 - Technical Committee - NFPA 99 - Health Care Facilities.
- Standards Coordinating Committee Panel #18.
- Accreditation Board for Engineering Technology (ABET) (1988-1995).
- Delegate (1990-1995).
 - Electrical/electronics, Biomedical and Instrumentation Engineering Technology
 - Program Evaluator (1988-1995).
- Health Care Engineering Policy Committee (HCEPC) (1986-1995).
 - Chairman (1993-1995).
- National Fire Protection Association - Delegate (1977-1995).

American Institute of Medical and Biological Engineering (AIMBE) - Founding Fellow (1992).

University of Houston, College of Architecture

- The Health Environment Institute Advisory Board (1988-1995).

Joint Commission on Accreditation of Healthcare Organization (JCAHO)

- The Committee on Health Care Safety (1987/1993).

Society of Critical Care Medicine (S.C.C.M.) (1986-1997).

International Certification Commission for Clinical Engineering and Biomedical Technology (1986-1990).

Alliance for Engineering in Medicine and Biology, (A.E.M.B.)

- Education Committee Chairman (1986).
- Project Advisory Committee - Chairman (1984-1985).

American Society for Testing and Materials - (A.S.T.M.)

- Anesthetic & Respiratory Equipment F-29 - Committee Member (1983-1995).

Houston Community College (H.C.C.) - Program Advisor Electronics Technology (1982-1993).

PROFESSIONAL SOCIETIES AND COMMITTEE MEMBERSHIPS (CONT.):

West Virginia University (College of Engineering and School of Medicine)
- The Bioengineering Graduate Program Committee - Member (1981-1982).

INSTITUTIONAL COMMITTEES**Chairman:**

Facility and Equipment Safety Subcommittee (2000-2008, 1992-98).
Medical Technology Evaluation Committee (1989-2008).
Equipment and Facilities Committee (1998).
Television and Audiovisual Committee (1987-1995).
Advisory Committee for the Administrative and Management Forum (1986-1987).

CoChairman

Cardiac Care Unit Monitoring Equipment Committee (1987-1988).

Member:

Equipment and Facilities Committee (1999-2008).
Hospital Information Systems Advisory Committee (1997-2008, 1988-1990).

Capital Budget Committee (1991-2008).

Cardiopulmonary Resuscitation Committee (1991-2004).
Product Standardization and Utilization Committee (1990-2008).
Safety Committee (1982-2008).
Personnel Practices Policy Committee (1990).
Quality Assurance Committee (1989-1995).
Cardiac Catheterization Laboratory Construction Committee (1985-1989).
Laser Committee (1981-2004).
Risk Management Committee (1986-1989).

PUBLICATIONS AND PRESENTATIONS:

Y. David: "Working Together – Sharing the Sand Box," Medical Device and IT Integration;
Managing the Challenges of Convergence, ECRI Webinar, September 16, 2009.

Y. David: "Reaching Higher, 10 Ways to Improve Device Safety", 2009 AAMI Meeting,
Baltimore, Maryland, June 6-8, 2009.

Y. David: "Practical Uniform Terminology for Medical Device Problems," 2009 AAMI Meeting,
Baltimore, Maryland, June 6-8, 2009.

Y. David: "How Do You Improve Patient Safety" and "Improving Communication ... One Term
at a Time," Tech World, AAMI News, June 2009, pg 11-13.

* Peer Review Paper

PUBLICATIONS AND PRESENTATIONS (CONT.):

- M. Vockley, Y. David, B. Patail, L. Fennigkoh, R. Schrenker, A. Currie, C. Campbell: "Reaching Higher ... 10 Ways to Improve Device Safety," Biomedical Instrumentation Technology (BI&T), January/February 2009, pg. 20-26.
- Y. David: "Trends in Clinical Engineering Practices," Revista Ingenieria Biomedica, Antioquia School of Engineering – CES University, Medellín, Colombia, biannual publication Volume 2, Issue 4, July-December 2008, <http://revistabme.eia.edu.co/index2.htm>.*
- Y. David: "Yadin David Launches Biomedical Engineering Consultants," Journal of Clinical Engineering, Vol. 33, No. 4, October/December 2008, pg 165.
- Y. David, M. Baretich, W. Hyman, W. Morse, J. Wear: "Excellence in Clinical Engineering Leadership and the Inaugural AHTF ExCEL Award," Journal of Clinical Engineering, Vol. 33, No. 4, October/December 2008, pg 201-205.
- Y. David: "The Future of Clinical Engineering – Are You Ready?" 2008 Chinese Congress of Clinical engineering & Digital Medicine and the 9th Annual Meeting of Medical Engineering Society of Chinese Medical Association, November 6-8, 2008.
- Y. David: "Healthcare Technology Management," Introduction to CE Certification Training, 2008 Chinese Congress of Clinical engineering & Digital Medicine and the 9th Annual Meeting of Medical Engineering Society of Chinese Medical Association, November 6-8, 2008.
- Y. David: "Users' and Support Team's Role in Integrating and Administering Bedside Communication Project," GE Knowledge Summit, Washington, DC., August 18-21, 2008.*
- Y. David: "Embarrassing Technology into Healthcare Practices," School of Health Sciences Tec de Monterrey University, Monterrey, Mexico, August 2, 2008.
- Y. David, F. Jaramillo, R. Stiefel: "Educational Challenges in Clinical Engineering Profession: A survey," Journal of Clinical Engineering, Vol. 33, No. 3, July/September 2008, pgs. 154-158.*
- Y. David: "AAMI Annual Meeting Highlights and Technology Trends," South East Texas Clinical Engineering Society, Houston, Texas, June 22, 2008.
- Y. David: "Medical Errors Mitigation Using Technical Tools," GE Biomedical Advisory Counsel, San Jose, California, June 2, 2008.
- Y. David: "Impacting Medical Errors – TeleHealth Case Study," 2008 ACCE Clinical Engineering Symposium: Capturing the Heart and Mind of the Clinician – The Art and Science of Human Factors for Medical Systems, San Jose, California, May 31, 2008.

* Peer Review Paper

PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David: "Collaborative Innovation at the Bedside: A Case Study," Medical Device Interoperability: From Abstract Concepts to Clinical Improvement, 2008 AAMI Meeting, San Jose, California, May 31, 2008.
- J. Browing, D. Walding, J. Klasen, Y. David: "Vibration Issues of Neonatal Incubators During In-Hospital Transport," Journal of Clinical Engineering, Vol. 33, No. 2, April/June 2008, pgs. 74-77.
- Y. David, et al: Chapters "Telehealth: I Can See the Highway, But Where Is the Ramp?," & "Emergency Preparedness Plan – the Role of Clinical Engineers and BMETs," and " A Practicum for Biomedical Technology & Management Issues, Kendall-Hunt Publishing, In Print.
- D. Korniewicz, T. Clark, and Y. David: "A National Online Survey on the Effectiveness of Clinical Alarms," American Journal of Critical Care, Vol 17, No. 1, January 2008, pgs. 36-41.
- Y. David, T. Clark, and K Weil: "Clinical Alarm Systems and Their Management," Webcast, MedSun News - Medical Product Safety Network, January 2008, pg. 1.
- Y. David, et al.: Clinical Reviewer of "Evaluations and Guidance Articles," Health Devices, ECRI, Dec 2007, pg 403.
- M. Howell, and Y. David: "Integrated Platform for Life Safety & Tracking," "Understanding & Managing Clinical Alarms," and "Technology Adoption Methodology: Plan, Do, Study & Act Cycles", Technology - A Means to Improve the Nurses' Work Environment," The 4th Annual Interactive Learning Exchange - Go for the Gold, December 7, 2007.
- Y. David, W. Hyman, V. Woodruff, and M. Howell: "Colloquium Report... Overcoming Barriers to Success: Collecting Medical Device Incident Data," Patient Safety Focus, Biomedical Instrumentation & Technology, BI&T, Association for the Advancement of Medical Instrumentation, 41, 6, November/December 2007, pgs. 471-475.
- Y. David: "A Case Study of Alarm Management," Clinical Alarm Notification & Management, FDA U.S. Food and Drug Administration Webcast with MedSun, November 29, 2007.
- Y. David, and M. Howell: "Integrated Platform for Life Safety and Telecommunication: A Case Study of Alarm Management," FDA, MedSun, November 24, 2007
- Y. David: "Integration of Biomedical Engineering & IT Programs – Case Studies and Lessons Learned," Digital Medicine Forum, Institute of Hospital Management, Ministry of Health, PRC, Xiamen, China, November 10-12, 2007.
- Y. David: "Patient Safety Impact from Projects Integration," Biomedical Advisory Council (BAC), Las Vegas, NV, November 4 – 6, 2007.

* Peer Review Paper

PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David, J. Weimert, J. Klasen, R. Robb, and C. Blair: "Center Stage, Situated at the heart of patient care, Texas Children's biomed team extends its reach to provide a broad range of services," 24x7 Magazine, October 2007, pgs. 10-17
- Y. David: "Replacing Drug Administration Technology, Project Update," Capital Planning Company, Texas Children's Hospital, Houston, Texas, October 25, 2007.
- Y. David, T. Pagel, M. Howell, and L. Sessions: "IPLST, Integrated Platform for Life Safety & Tracking," Executive Council, Texas Children's Hospital, Houston, Texas, October 3, 2007.
- Y. David: "Telemedicine: I Can See the Highway, but Where is the Ramp?," "Clinical Engineering and Certification," and "Telemedicine: Taking the Distance Out of Caring," SABI 2007 XVI Argentina BioEngineering Congress, V Clinical Engineering, San Juan, Argentina, September 26-28, 2007.*
- Y. David: "Playing in the Digital Sandbox, Biomed and IT Share Space," Pan Europe Biomedical Advisory Council (B A C), Venice, Italy, September 12-14, 2007.
- Y. David, D. Finn, P. Rogers, M. Howell, T. Pagel, and L. Sessions: "Failing to Succeed," 2007 Healthcare Quality Colloquium, www.QualityColloquium.com, Harvard University, Cambridge, Massachusetts, August 19-22, 2007.*
- Y. David: "ECRI Institute Honors Texas Children's Hospital for Excellence in Health Technology Management," Article in 24x7 Weekly Jolt, http://www.24x7mag.com/joltnews/2007-07-24_01.asp, July 24, 2007.
- Y. David, and W. Hyman: Issues Associated with Off Label Use of Medical Devices, Lyons, France, July 2007.
- Y. David, and B. Magliaro: "Medical Device Event Reporting," MedSun FDA Orientation Meeting, San Diego, California, July, 12-13, 2007.
- Y. David, and M. Howell: "The Executive's Role in Making Process and Workflow Drive Technology in Today's Healthcare Organizations," Webcast http://www.emergin.com/library/TCH/TCH20070710_files/Default.htm, Houston, Texas, July 11, 2007.
- Y. David: "Smart" Pumps, Replacing Drug Administration Technology," Capital Planning Company, Texas Children's Hospital, Houston, Texas, July 11, 2007.
- Y. David, and T. Clark: "Improving Patient Safety Through Clinical Alarms Management," 11th Mediterranean Conference on Medical and Biological Engineering and Computing, International Federation for Medical and Biological Engineering (IFMBE), Medicon 2007, Ljubljana, Slovenia, June 26-30, 2007.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

Y. David, and T. Gee: “Integrated Platform for Life Safety and Telecommunication: A Case Study,” Best Practices in Point-of-Care Automation: A Case Study, AAMI 2007, Boston, Massachusetts, June 16-18, 2007.

Biomedical Advisory Council (BAC), Boston, MA, June 14, 2007

Y. David: “Colloquium Addresses Medical Device Incidents,” Article in 24x7 Weekly Jolt, http://www.24x7mag.com/joltnews/2007-05-22_01.asp, May 22, 2007.

Y. David: presented a poster session, "Best Practices for Health Technology Management," at the National Patient Safety Foundation Annual Meeting in Washington, DC (<http://www.npsf.org/congress/index.html>), and participated on the advisory panel in the FDA Hospital Devices in Washington, DC (<http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfAdvisory/details.cfm?mtg=681>), May 2-4, 2007.

Y. David: “Integration of Biomedical Engineering & IT Programs – Case Studies and Lessons Learned,” 5th International Clinical Engineering Symposium, Hangzhou, China, March 23-31, 2007

Y. David: “Diverse Stakeholders to Converge at Postmarket Monitoring Colloquium,” Article in MX Issues Update, Cannon Communications LLC, February 2007.

Y. David: ACCE Healthcare Technology Foundation Clinical Alarms Task Force, “Impact of Clinical Alarms on Patient Safety, A Report from the American College of Clinical Engineering Healthcare Technology Foundation,” Journal of Clinical Engineering, January/March 2007.*

Y. David: “Disaster Preparedness – The Role of Clinical Engineering,” ACCE Education Series Telecast, Houston, Texas, December 14, 2006.

Y. David: “Improving Customer Satisfaction, Gaining the Caregiver’s Confidence on the Technology and the Program Servicing It,” ECRI Health Devices, December 2006.

Y. David, and D. Finn: “Medical Technology Management – Integration for Optimal Life Cycle Performance,” 2nd FORO – Mexico National Conference on Clinical Engineering, e-Health and Technology Assessment in Healthcare, National Center for Excellence in Healthcare Technology, Mexico City, Mexico, October 29-31, 2006.

Y. David: “Biomedical Technologies Applications in Global Healthcare Houston & Israel Collaboration,” Business Opportunities Israel: A Hot Bed of Innovation, 55th Annual Consular Forum Conference, Houston, Texas, October 27, 2006.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David: "JCAHO Sentinal Event #37, Emergency Power Generator Requirements and Testing," Interview Article, ECRI, October, 2006.
- Y. David and T. Clark: "The Impact of Clinical Alarms on Patient Safety," White paper, ACCE Foundation Website www.acce-htf.org, October 3, 2006.
- Y. David, and G. Janhke: "Integrated Healthcare Technology Issues: From Assessment to Management" Workshop, World Congress on Medical Physics and Biomedical Engineering 2006, Seoul, Korea, August 26 – September 1, 2006.
- Y. David: "Risk Measurement Tool for Managing Medical Technology," World Congress on Medical Physics and Biomedical Engineering 2006, Seoul, Korea, August 26 – September 1, 2006.
- Y. David, and D. Finn: "Medical Technology Management Integration for Optimal Life Cycle Performance," World Congress on Medical Physics and Biomedical Engineering 2006, Seoul, Korea, August 26 – September 1, 2006.
- Y. David: "Telemedicine: I can see the Highway, but Where is the Ramp?," The Institute of Electrical and Electronics Engineers (IEEE) Galveston Bay Section and GBS Joint Societies Chapter, Houston, Texas, August 10, 2006.
- Y. David, and J. L. Brady: "Flexing Your Muscle, How to Increase Your Value and Influence," Biomedical Instrumentation & Technology, May/June 2006, pg. 192-198.
- Y. David: "A Foundation to Build On," 24x7 Magazine, May 2006.
- Y. David: "Healthcare Technology Foundation Brings Together Practitioners to Improve Profession," 24x7 Magazine Weekly Jolt, April 11, 2006.
- Y. David: "Changes in the Standard on Medical Equipment Electrical Safety, known as IEC 60601-1:2005 and Their Impact on Hospital Biomedical Engineers", Interview by Rich Smith of the 24x7 magazine on March 10, 2006, for an article to be published in their magazine soon.
- Y. David: "Can We Make Safe Wireless Connections?" Wireless and Patient Connectivity Workshop, San Francisco, California, February 22, 2006.
- Y. David: "Managing Tomorrow's Healthcare Technology – Approaching the Medical Center," Medical Products Customer Strategy Summit 2006, Thought Leadership Summit 2006, Marina de Rey, California, January 17-18, 2006.
- Y. David, and S. McElligott: "Biomedical Engineering and Medicine – Case Study in Telemedicine," Health Access Texas, Post Katrina: Healthcare Strategies, Houston, Texas, December 5, 2005.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

Y. David: "Clinical Engineering, Global technology & Patient Safety," and "Texas Medical Center and Texas Children's Hospital Biomedical Engineering Department," Patient Safety Summit: More than Words: Developing Solutions Internationally, London, United Kingdom, November 29, 2005.

Y. David: "Emergency Readiness: Technology Planning, Response, & Recovery," SETCES Meeting, Houston, Texas, November 17, 2005.

Y. David: "Emergency Readiness: Technology Planning, Response, & Recovery," ECRI Audio Telecast, Houston, Texas, November 16, 2005.

Y. David: "Clinical Alarm Issues," Biomedical Advisory Council, Salt Lake City, Utah, November 2-4, 2005.

Y. David, T. Cohen, W. Ellis, J. Morrissey, C. Bakuzonis, and W.D. Paperman: "Safe Use of Cellular Telephones in Hospitals: Fundamental Principles and Case Studies," Journal of Healthcare Information Management, Mobile Computing, Volume 19, Number 4, Fall 2005.*

Y. David: "Supporting Technology in the Interoperability Era," Interlog Medical 2005, Chandler, Arizona, October 17-19, 2005.

Y. David: "Devices and Supplies Adverse Event Investigations," Patient Safety Executive Group PSEG, Houston, Texas, October 12, 2005.

Y. David, and T. Clark: "Clinical Alarms Improvement Initiative," 4th Annual conference for MedSun Representatives, San Diego, California, October 7, 2005

Y. David: "Advanced Development of Clinical Engineering," "Agenda," "Cases of Clinical Engineering Program Measurements and Standards," "Safe Application and Quality Control of Medical Instruments," "Wireless and Radio Frequency Identification Tags Used for Assets Control," "Wireless and radio Frequency Identification Tags (RFID) Used for Assets Control," and "Cases of Clinical Engineering Program Measurements and Standards," 4th International Clinical Engineering Symposium, Beijing, China, September 6-7, 2005.

Y. David: "Medical Technology Management: From Planning to Application," "Risk Measurement Tool for Managing Medical Technology," 27th Annual International Conference of the IEEE Engineering In Medicine and Biology Society (EMBS), Shanghai, China, September 1-4, 2005.

Y. David: "Healthcare Technology Management (HTM)," "Discussion," "Technology Planning and Assessment – Case Studies," "Medical Devices, Information Systems and Telemedicine," "Technology Planning," "Refurbished and Donated Medical Equipment," "Medical Devices on the Network and Safety Systems," "Telemedicine: I can See the Highway, but Where is the Ramp?" "Two Case Studies: Planning," and "ElectroMagnetic Compatibility in Healthcare Facilities," Health Technology Management & Clinical Engineering Workshop, Cartagena, Colombia, July 11-15, 2005.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David, T. Clark, and J. Keller: "Clinical Alarms Management and Integration," ACCE Audio Conference, Houston, Texas, June 16, 2005.
- Y. David: "Biomedical Engineering & Television Services Department," Information Services, Texas Children's Hospital, Houston, Texas, May 20, 2005.
- Y. David: "Supporting Technology in the Interoperability Era," AAMI Symposium, Tampa, Florida, May 16, 2005.
- Y. David: President, "Annual Meeting," ACCE Healthcare Technology foundation Board of Directors, Houston, Texas, April 14-17, 2005.
- Y. David, Chair, "Clinical Engineering Track," 2005 conference of the Houston Society for Engineering in Medicine and Biology (HSEMB) Houston, Texas, February 10-11, 2005.
- Y. David: "Investigating Medical Device Adverse Event," 2005 Conference of the Houston Society for Engineering in Medicine and Biology (HSEMB), Houston, Texas, February 10-11, 2005.
- Y. David: "Professional Biomedical Engineering Competencies," Tec de Monterrey Medical School, Monterrey, Mexico, February 2005.
- Y. David: "Employee Management, A Hands-On Approach," 24x7 Magazine, February 2005, pgs 14-38.*
- Y. David: "Telemedicine: I Can See the Highway, but Where is the Ramp?," Annual Seminar of Hospital Del Niño de Panamá, Panama City, Panama, December 3, 2004.
- Y. David: "HIPAA Compliance for Biomedical Technology: Meeting the April 2005 Deadline," ECRI Audio Conference, Beijing, China, November 10, 2004.
- Y. David: "Technology and Supplier Evaluation in Health Care," 3rd International Clinical Engineering Symposium, Beijing, China, November 10, 2004.
- Y. David: "Clinical Engineering in the US – Professional Development Certification and Registration," 3rd International Clinical Engineering Symposium, Beijing, China, November 10, 2004.
- Y. David: "Rationale for Adoption of Disposable Medical Assets," 3rd International Symposium, Beijing, China, November 10, 2004.
- Y. David: "Management of Equipment Spare Parts," 3rd International Symposium, Beijing, China, November 10, 2004.
- Y. David: "The Role of Performance Evaluation in Clinical Engineering Career," IV Simposio Internacional de Engenharia Clinica do Hospital Israelita Albert Einstein, Sao Paulo, Brazil, October 15-16, 2004.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David: "Assets Tracking System – Their Application for Improving Clinical Engineering Program," IV Simposio Internacional de Engenharia Clinica do Hospital Israelita Albert Einstein, Sao Paulo, Brazil, October 15, 2004.
- Y. David: "Changing World of Healthcare & Implications for the Biomedical Community," Biomedical Associations of Wisconsin, Milwaukee, Wisconsin, October 8, 2004.
- Y. David: "Telemedicine: I Can See the Highway, But Where Is the Ramp?," World Health Organization, Partnership building on eHealth for Health Care Delivery, Washington, DC, July 28-29, 2004.
- Y. David: "Electromagnetic Compatibility – Clinical (EMC) Study Report," Solutions for Healthcare, Sprint Wireless Symposium, Dallas, Texas, July 15, 2004.
- Y. David: "Down in the Digital Trenches: Equipping the Biomedical Community for the Future of Technology," AAMI 20th Annual Conference on Clinical Engineering Productivity and Cost Effectiveness, Boston, Massachusetts, June, 2004
- Y. David, and T. Cohen: "EMI Study Report," AAMI 20th Annual Conference on Clinical Engineering Productivity and Cost Effectiveness, Boston, Massachusetts, June 4, 2004.
- Y. David, and E.G. Jahnke: "Planning Hospital Medical Technology Management," IEEE Engineering in Medicine and Biology, pg 73-79, May/June 2004.*
- Y. David: "Telemedicine: I Can See the Highway, but Where is the Ramp?," Advanced Clinical Engineering Workshop, San Jose, Costa Rica, May 17-21, 2004.
- Y. David: "Clinical Engineering in the US – Education and Internships," Technology Management & Clinical Engineering Workshop, San Jose, Costa Rica, May 17-21, 2004.
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- Y. David, and E. Sloane: Co-Chairmen, "Clinical Engineering Practices Review Pre-Conference Workshop," 25th Annual International Conference of IEEE Engineering in Medicine and Biology Society, Cancun, Mexico, September 17-21, 2003.
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- Y. David: "Medical Technology Management," Venezuelan Congress of Bioengineering and Pan American Health Organization (PAHO), Coro, Venezuela, May 12-17, 2002.
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- Y. David: "Medical Equipment Management Program: Methodology and Tools," Biomedical Engineering Seminar, Sao Paulo, Brazil, August 1994.
- Y. David, W.D. Paperman, and K. McKee: "Electromagnetic Interference: Causes and Concerns in the Health Care Environment," American Society for Healthcare Engineering, Health Care Facilities Management Series of the AHA, August 1994.
- Y. David: "Technology Evaluation is Part of an Equipment Management Program," World Congress on Medical Physics and Biomedical Engineering, Rio de Janeiro, Brazil, August 1994.
- Y. David: "A Seat at the Table: Advancing the Role of Biomedical Engineering in Health Care Technology Policy Making," ISTAHC '94, Tenth Annual Meeting, Baltimore, Maryland, June 1994.
- Y. David, M. Gullikson: "Facility Design for a Comprehensive Clinical Engineering Department," AAMI 29th Annual Meeting and Exposition, Washington, D.C., May 1994.
- Y. David: "Strategic Technology Planning," AAMI 29th Annual Meeting and Exposition, Washington, D.C., May 1994.
- Y. David, J.A. Coss-Bu, L.S. Jefferson, W.J. Klish, D. Walding, and E.O. Smith: "Resting Energy Expenditure (REE) and Nitrogen (N) Requirements in Critically Ill (CI) and Mechanically Ventilated (MV) Pediatric Patients," American Pediatric Society, Society for Pediatric Research, Annual Meeting, Seattle, Washington, May 1994.
- Y. David: "The Role of Technology in the Cost of Health Care," Health Care Technology Policy I, SPIE Proceeding, Vol. 2307, Washington, D.C., April, 1994. *
- Y. David, J.A. Coss-Bu, L.S. Jefferson, W.J. Klish, D. Walding, and E.O. Smith: "Resting Energy Expenditure (REE) and Nitrogen (N) Requirements in Critically Ill (CI) and Mechanically Ventilated (MV) Pediatric Patients," Pediatric Research, Vol. 35, No. 4, Part 2: 126A, 1994. *
- Y. David, J.A. Coss-Bu, L.S. Jefferson, W.J. Klish, D. Walding, and E.O. Smith: "Scoring Systems (SS) and Resting Energy Expenditure (REE) in the Critically Ill (CI) and Mechanically Ventilated (MV) Pediatric Patient," Pediatric Research, Vol. 35, No. 4, Part 2:49A, 1994. *
- Y. David, J.A. Coss-Bu, L.S. Jefferson, W.J. Klish, D. Walding, and E.O. Smith: "Resting Energy Expenditure (REE) in Mechanically Ventilated (MV) Pediatric Patients: Evaluation of Harris-Benedict (HB) and Talbot (TA) Predictions Compared to Measured Indirect Calorimetry (IC)," Critical Care Medicine, 22 (1): A155, 1994. *

* Peer Review Paper

PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David, J.A. Coss-Bu, L.S. Jefferson, W.J. Klish, D. Walding, and E.O. Smith: "Resting Energy Expenditure (REE) in Mechanically Ventilated (MV) Pediatric Patients: Evaluation of Harris-Benedict (HB) and Talbot (TA) Predictions Compared to Measured Indirect Calorimetry (IC)," Annual Meeting of the Society of Critical Care Medicine, 23rd Educational and Scientific Symposium, Orlando, Florida, January 1994.
- Y. David: "The Role of the IEEE Health Care Engineering Policy Committee in the Health Care Reform Era," 15th Annual International Conference, IEEE Engineering in Medicine and Biology Society (EMBS), San Diego, California, 1993.
- Y. David: "The Evaluation Process for Hospital Technology," Short Course, Mid-Year Conference and Exhibit, AAMI, Bellview, Washington, 1993.
- M. L. Gullikson, Y. David: "Risk-Based Equipment Management Systems," The 9th National Conference on Medical Technology Management, American Society for Hospital Engineering of the American Hospital Association, New Orleans, Louisiana, 1993.
- M. L. Gullikson, M. Brady, and Y. David: "An Automated Risk Management Tool," Plant Technology & Safety Management Series, Number 2, 1993 PTSM Series, JCAHO, Oakbrook Terrace, Illinois, 1993. *
- Y. David, T. Judd: "Medical Technology Management," Biophysical Measurements Series, Spacelabs Medical, Redmond, Washington, 1993.
- Y. David: "Safety and Risk-Control Issues," Chapter 109 in the Electrical Engineering Handbook, Editor-in-Chief, R.C. Dorf, CRC Press, Boca Raton, 1993. *
- Y. David: "Healthcare Technology Development and Transfer; The Role of Professional Societies and Academia," Proceedings of the First National Meeting on Coupling Technology to National Need, SPIE, Albuquerque, New Mexico, August 1993.
- Y. David: "Clinical Engineering: Preparing for the Practice," Texas A&M University, Biomedical Engineering Program Visiting Lecturer Series, College Station, Texas, July 1993.
- Y. David: "Medical Technology Planning for the Megatrends," Health Care Conference, Texas Society of Certified Public Accountants, San Antonio, Texas, July 1993.
- Y. David: "Technology Management: Practice and Principles," The 2nd International Advanced Clinical Engineering Workshop, Boston, Maine, May 1993.
- Y. David: "Technology Assessment and Clinical Engineering: Where Do We Go From Here," Proceeding of the 28th Annual Meeting of AAMI, Boston, Maine, May 1993.

* Peer Review Paper

PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David: "Strategic Planning for Medical Technology," Proceeding of the 'What's on the Health Care Horizon' Symposium, Houston Chapter of the Texas Society of Certified Public Accountants, Houston, Texas, February 1993.
- Y. David: "The Role of the U.S. Clinical Engineering in Supporting International CE," Guest Editorial, Journal of Clinical Engineering, Vol. 18, No. 1, January/February 1993.
- Y. David: "Technology Evaluation in a U.S. Hospital: the Role of Clinical Engineering," Medical & Biological Engineering and Computing, 31, HTA28-HTA32, January 1993. *
- Y. David, J. Bronzino: "Medical Technology: Assessment and Acquisition," Chapter in Management of Medical Technology: A Primer for Clinical Engineers, Butterworth - Heinemann, Boston, 1992. *
- Y. David: "Status of Clinical Engineering in the United States: Professional Issues," Proceedings of the 14th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Paris, France, 1992.
- Y. David: "The State of the Clinical Engineering Profession in the U.S.A.," The Journal of Biomedical Engineering Applications, Basis, Communications, No. 5, Taiwan, October 1992. *
- Y. David: "Technology Assessment: The Next Frontier for Clinical Engineering," Proceeding of the 1992 International Symposium Biomedical Engineering in the 21st Century, Taipei, Taiwan, Republic of China, September 1992.
- Y. David: "Medical Technology 2001," Proceeding of the Health Care Conference, Texas Society of Certified Public Accountants, San Antonio, Texas, July 1992.
- F. Zavisca, Y. J. Kao, T. David, and Y. David: "An Improved Method to Evaluate Sympathetic Reactivity in Anesthetized Rats - Blood Pressure Responses to Variable Intensity, Brief Electrical Stimuli," IEEE Transaction on Biomedical Engineering, submitted, May 1992.
- Y. David: "First Experience with the Safe Medical Device Act," The 6th Clinical Engineering Symposium, Houston, Texas, April 1992.
- Y. David: "Physiological Monitoring: Clinical Situations," AAMI/NCCETA Mid Year Meeting and Exposition, Cleveland, Ohio, November 1991.
- Y. David: "Safety and Risk Control in the Clinical Environment," Tutorial, World Congress on Medical Physics and Biomedical Engineering, Kyoto, Japan, July 1991.
- Y. David: "Credentialing of Clinical Engineers in the USA," World Congress on Medical Physics and Biomedical Engineering, Kyoto, Japan, July 1991.

* Peer Review Paper

PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David: "The Prognostication of Clinical Engineering," World Congress on Medical Physics and Biomedical Engineering, Kyoto, Japan, July 1991.
- Y. David: "Clinical Engineering: Recent Progress," World Congress on Medical Physics and Biomedical Engineering, Kyoto, Japan, July 1991.
- Y. David: "Clinical Engineer: The Future Chief Technology Officer?," ASHE Annual Conference, New Orleans, Louisiana, June 1991.
- Y. David: "Clinical Engineering - A Profession Waiting for Educators," ASHE Annual Conference, New Orleans, Louisiana, June 1991.
- Y. David: "Clinical Engineering - A Profession or an Occupation?" AAMI 26th Annual Meeting & Exposition, Washington, D.C., 1991.
- T.C. Mayes, L.S. Jefferson, Y. David, P.T. Louis, J.D. Fortenberry: "Management of Malignant Air Leak in a Child with a Neonatal High-Frequency Oscillatory Ventilator," Chest, 1991. *
- Y. David, S. Slogoff, M.D., A. Keats, M.D., and S. Igo: "Incidence of Perioperative Myocardial Ischemia Detected by Different Electrocardiographic Systems," Anesthesiology, Vol. 73: No. 6, pgs. 1074-1081, December 1990. *
- Y. David; "Medical Technology; Consideration for Healthcare Architects," College of Architecture, University of Houston, Visiting Lecturer Series, November 1990.
- Y. David; "Remote Medical Consultation Via High Definition Video Systems," Proceedings of the 12th Annual International Conference IEEE, Engineering in Medicine and Biology Society, November 1990.
- Y. David; "Medical Devices Risk Reduction - A Case for a Clinical Engineering Program," Proceedings of the 12th Annual International Conference IEEE, Engineering in Medicine and Biology Society, November 1990.
- Y. David; "Technology Evaluation Process at the Hospital Level," Proceedings of the 6th Annual Conference of the International Society for Technology Assessment in Health Care, Houston, Texas, May 1990.
- Y. David; "The Basic Science Aspects of Instrumentation, Radiation and Facilities Used in Cardiac Catheterization Laboratories and Special Care Facilities," Chapter 35 in 'The Science and Practice of Pediatric Cardiology' Arthur Garson Jr., J. Timothy Bricker, Dan G. McNamara (Editors), Lea & Febiger, Malvern, Pennsylvania, 1990. *

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David, G.R. Goodman: "Who Represents the Healthcare Engineer?," IEEE/EMBS Special Symposium, Seattle, Washington, November 1989.
- Y. David: "Technology Related Decision-Making Issues in Hospitals," IEEE Engineering in Medicine & Biology Society, 11th Annual International Conference, November 1989.
- Y. David: "The Foundations for a Successful Clinical Engineering Program," The 11th Brazilian Congress on Biomedical Engineering, Campinas, Brazil, November 1989.
- Y. David, T. Judd, F. Painter, and R. Morris: "A Model for Manpower Development and Training for Healthcare Equipment Professionals", World Health Organization (WHO) Inter-regional Meeting on Manpower Development and Training for Healthcare Equipment Management, Maintenance, and Repair; Campinas, Brazil, November 1989.
- Y. David: "Technology: Flexibility for Today and Tomorrow," Trinity Computing Technology Seminar, Houston, Texas, October 1989.
- Y. David, P. Spitzer, and B. Minard: "Hospital Information Systems: Innovations and Issues", The Healthcare Pavilion/Innova, Houston, Texas, September 14, 1989.
- Y. David, D. Rohe: "Achieving Results through Effective Engineering Management", The Canadian Medical and Biological Engineering Conference, (Short course), Toronto, Canada, June 1989.
- Y. David: "Operational Enhancement in Clinical Engineering Program", Proceedings of the AAMI 24th Annual Meeting, St. Louis, Missouri, May 1989.
- T.C. Mayes, L.S. Jefferson, and Y. David: "Management of Intractable Respiratory Failure in a 35 Kilogram Child with a Neonatal High Frequency Ventilator", Pediatric Pulmonary Proceedings of the 6th Annual Conference on High Frequency Ventilation of Infants, Snowbird, Utah, April 1989.
- Y. David: "Who Represents Clinical Engineers?" Letter to the Editor, Journal of Clinical Engineering, Vol. 14, No. 1, January/February 1989. *
- Y. David: "Do We Need a Professional Body?", Medical & Biological Engineering & Computing News/Clinical Engineering Update, IFMBE Newsletter, No. 2, January 1989.*
- Y. David: "Clinical Engineering", University of Houston, Cullen College of Engineering, BioEngineering Research Center, Houston, Texas, December 1988.
- D. Walding, Y. David, and J. Klasen: "A Computerized Method for Environmental Gas Analysis in the Hospital Setting", Proceedings of the 10th IEEE/EMBS International Conference, New Orleans, Louisiana, November 1988.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David: "Strategy for Patient-Care Technology Assessment", Proceedings of the 10th IEEE/EMBS International Conference, New Orleans, Louisiana, November 1988.

- Y. David: "Comprehensive In-House Service Organization - Objectives and Expectations", Medical Device Manufacturer Seminar, Washington, D.C., November 1988.
- Y. David: "The Professional Clinical Engineer" - Guest Editorial, Journal of Clinical Engineering, Vol.13, No. 5, September/October 1988. *
- Y. David: "The Innovation in Medical Technology and Its Impact on Healthcare Facilities", University of Houston - The Health Environments Institute, Houston, Texas, September 26, 1988.
- E.J. Truemper, L.S. Jefferson, and Y. David: "Advances in Measurement of Respiratory Gas Exchange in Critically Ill Patients," 1988 World Congress on Medical Physics and Biomedical Engineering, San Antonio, Texas, 1988.
- Y. David: "Ethical Issues in the Clinical Engineering Profession", IEEE/EMBS Magazine Special Section, Vol. 7, No. 2, June 1988. *
- Y. David, D.Z. Myerberg, and T. Ebling: "G.T.I.I. - A Measure of Synchrony of Infant Ventilation," The 4th European Congress on Intensive Care Medicine, Baveno, Italy, June 1988.
- Y. David: "The Professional Clinical Engineer", Proceeding of AAMI Annual Meeting and Exhibit, Washington, D.C., May 1988.
- Y. David: "The Impact of Evolving Biomedical Technologies and Devices on the Health Care Delivery System", American Institute of Architects, Houston Chapter Committee on Architecture for Health, Houston, Texas, March 1988.
- Y. David, A. Wald: "Codes, Standards, and Regulations", Chapter in 'Encyclopedia of Medical Devices and Instrumentation', John G. Webster (editor), Wiley, Interscience, John Wiley & Sons, Inc., 1988. *
- Y. David (Contributor): "Health Care Facilities Handbook-1987", National Fire Protection Association, Quincy, Massachusetts, 1987. *
- Y. David: "Issues in Clinical Technology Assessment", Proceeding of the VII Nordic Meeting on Medical and Biological Engineering, Trondheim, Norway, 1987.
- Y. David, D. Rohe: "Productivity in a Comprehensive Clinical Engineering Program", IEEE/Engineering in Medicine and Biology Society Annual Meeting, Dallas, Texas, 1986.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David: "Clinical Engineering in a Large Medical Center", Proceedings of the U.S. - Japan Symposium on Biomedical Engineering, Baltimore, Maryland, 1986.

- Y. David, D. Rohe: "Clinical Engineering Program Productivity and Measurements", Journal of Clinical Engineering, Vol. 11, No. 6, Pg. 435-443, November-December 1986. *
- Y. David: "Management Tools for Clinical Engineering Departments", Proceeding of the Eighth Annual Conference of the Engineering in Medicine and Biology Society, Fort Worth, Texas, November 1986.
- Y. David, R.A. Gutcheck, D. Cotton, and P.V. Roby: "Continuous Biochemical Monitoring Utilizing Solid State Spectrophotometry", (Abstract), The 3rd International Symposium on Continuous Transcutaneous Monitoring, Zurich, Switzerland, October 1986.
- Y. David: "The Medical Instrument Life Cycle Strategy for Clinical Engineers", Engineering in Medicine and Biology Magazine, Vol. 4, No. 2, June 1985. *
- Y. David, J. Truett: "The Story of Diagnosis Related Groups", Engineering in Medicine and Biology Magazine, Vol. 4, No. 2, June 1985. *
- Y. David, D.Z. Myerberg, et al: "The Synchronometer: A Prototype Device to Measure Infant/Ventilator Synchrony", IEEE Engineering In Medicine and Biology Magazine, Vol. 4, No. 1, March 1985. *
- Y. David: "The Application of Biomedical Engineering Technologies to the Health Care Delivery System Facilities", University of Houston, College of Engineering, The Biomedical Engineering Program, Houston, Texas.
- Y. David, D.Z. Myerberg, et al: "The Synchronometer: A Prototype Device to Measure Infant/Respiration Synchrony", Proceeding of the 14th International Conference on Medical and Biological Engineering and The 7th International Conference on Medical Physics, Finland, 1985.
- Y. David, R.A. Gutcheck, et al: "Continuous Biochemical Monitoring Utilizing Solid State Spectrophotometry", Proceeding of the 14th International Conference on Medical and Biological Engineering and The 7th International Conference on Medical Physics, Finland, 1985.
- Y. David, J. Adams, H. Hochberg, and C.M. Koliner: "Percutaneous pH Measurements", Medical Technology For the Neonate, Technology Assessment Report, AAMI, TAR No. 984, September 1984. *
- Y. David: "Performance Assurance of Home-Care Technology", Home Care '84 Conference, Chicago, Illinois, 1984.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David, et al: "G.T.I.I. A Measurement of Synchrony of Infant Ventilator", The 6th Annual Conference on Frontiers of Engineering and Computing in Health Care, 1984.

- Y. David, R. Bettinger: "Characteristics of Transcutaneous Electrical Nerve Stimulation Used Clinically for Pain Control", 2nd Annual Conference on Biomedical Engineering Research - University of Houston, Houston, Texas, 1984.
- Y. David: "Apnea Monitoring in Non-Hospital Environment", The 37th Annual Conference on Engineering in Medicine and Biology A.C.E.M.B. Meeting, September 1984.
- Y. David, J. Truett: "Diagnosis-Related-Groups and Clinical Engineering", 6th Annual Conference on Frontiers of Engineering and Computing in Health Care, 1984.
- Y. David: "The Utilization of TENS in U.S. Hospital", Physical Therapy Meeting, Tel-Aviv, Israel, 1984.
- Y. David: "Source of Input", The 7th Annual Conference of the Greater Houston Hospitals Management Systems Society, 1984.
- Y. David, R. Jennings: "The Life Cycle of Medical Devices - Issues of Aging and Obsolescence" Moderators of Round Table Discussion - AAMI The 19th Annual Meeting, 1984.
- Y. David, R. Eller, and M. Jopling: "Quality Assurance of Anesthetic Vaporizers", The International Congress on Medical Instrumentation, Holland, May 1984.
- Y. David, M. Grafton: "Equipment Life Cycle Strategy in the Biomedical Department", The International Congress on Medical Instrumentation, The Netherlands, May 1984.
- D.Z. Myerberg, Y. David, et al: "A New Non-Invasive Device which Continuously Gauges An Infant's Synchrony and Chest Expansion Achieved With Mechanical Ventilation", 2nd International Conference on Fetal and Neonatal Physiological Measurements, Oxford, England, April 1984.
- Y. David, M. Gullikson, and J. Weimert: "Trends in Patient Monitoring Technology", The 19th AAMI Annual Meeting, April 1984.
- Y. David, S.K. Sharma, and M. Gullikson: "Equipment Life Cycle Strategy in The Biomedical Department", Engineering in Medicine and Biology Annual Conference, 1983.
- Y. David, R. Bettinger: "Characteristics of TENS Used Clinically for Pain Control", The 2nd Southern Biomedical Engineering, 1983.
- Y. David, J. Adams, and H. Hochberg: "Percutaneous pH Measurements", Medical Technology For the Neonate, Technology Assessment Conference - AAMI, November 1983.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David, W. Scholz: "New Concepts in Patient Monitoring System", The 2nd Southern Biomedical Engineering Conference, 1983.

- Y. David, R. Bettinger: "Transcutaneous Electrical Nerve Stimulators Characteristics", The Association for the Advancement of Medical Instrumentation, The 17th Annual Meeting, 1982.
- Y. David, M. Jopling, R. Eller: "Anesthetic Vaporizers: Performance Assurance", Pennsylvania's State Society of Anesthesiologists, Annual Meeting, 1982.
- Y. David, C. Koliner: "The Application of Tissue pH and Transcutaneous P₀₂ Measurements in ICU", World Congress on Medical Physics and The 13th International Conference on Medical and Biological Engineering, Germany, 1982.
- Y. David: "Biomedical Engineering and Future Trends in Medical Instrumentation", Monongahela County Medical Society, 1982.
- Y. David, C. Koliner: "Use of Cutaneous Monitors in Critically Ill Patients", Pulmonary Ground Round of Western Pennsylvania, Pittsburgh, Pennsylvania, 1982.
- L. Pyles, W. Neal, Y. David: "Skin/Arterial Oxygenation Ratio as an Index of Peripheral Perfusion Following Cardiac Surgery in Children", The 23rd National Medical Student Research Forum, 1982.
- Y. David, C. Koliner: "Tissue to Blood pH and Transcutaneous to Blood P₀₂ Gradients in Critically Ill Patients", The New York State Society of Anesthesiologists, 1981.
- J. Gutierrez, Y. David: "Correlation of Transcutaneous Oxygen Tension With Arterial Oxygen Tension During Different Cardiac Output States, Case Reports", International Anesthesia Research Society, 1981.
- F. Zavisca, S. Woelfel, and Y. David: "Amnesic Effects of Oral Clinical Doses of Benzodiazepines", FASEB Federation of American Society for Experimental Biology, 1981.
- Y. David, C. Koliner, and W. Neal: "Application of Cutaneous P₀₂ and Tissue pH Measurements in the Perioperative Period", Association for the Advancement of Medical Instrumentation - The 16th Annual Meeting, 1981.
- Y. David, C. Koliner, W. Neal: "Perfusion Index Using Transcutaneous PO₂ in Post Cardiac Surgery", Engineering in Medicine and Biology Conference, Annual Meeting, 1981.
- R. Kennedy, H. DeSousa, Y. David: "Kinetics of Local Anesthetic Drugs in the Maternal/Fetal Unit", Society of Obstetrical Anesthesia Peritoneal, Annual Meeting, 1981.

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PUBLICATIONS AND PRESENTATIONS (CONT.):

- Y. David, W. Neal, R. Knapp: "Transcutaneous PO₂ as a Perfusion Index in Post Cardiac Surgery" Anesthesia Update, West Virginia State Anesthesiologists Society Annual Meeting, 1980.
- P. Forte, W. Neal, Y. David: "T_cP0₂ Monitoring as an Index of Peripheral Perfusion Following Cardiac Surgery", W.V.U. School of Medicine Student Research Convocation, 1980.
- Y. David, J. Gutierrez: "Environmental Hazards and Pollution in Operating Rooms", Association for the Advancement of Medical Instrumentation, The 14th Annual Meeting, 1979.
- J. Gutierrez, M. Howie, Y. David: "Correlation of Transcutaneous Oxygen Tension with Arterial Oxygen Tension During Different Cardiac Output States: A Case Report", American Academy of Pediatrics, Annual Meeting, 1979.
- Y. David: "Occupational Safety in the Operating Theater", International Conference on Medical Physics and the XII International Conference on Medical and Biological Engineering, Israel, 1979.
- F. Zavisca, S. Woelfel, Y. David, et al: "The Effects of Benzodiazepines - Diazepam, Flurazepam, and Alprazolam on Cardiovascular and Psychological Function in Healthy Medical Students", Post Graduate Assembly New York State Society of Anesthesiologist, N.Y.S.S., 1979.
- Y. David, J. Gutierrez: "Anesthesia as Environmental Hazard", West Virginia Society of Anesthesiologists Annual Update, 1978.
- D. Smith, J. Adams, and Y. David: "A Comparison of Analgesic Properties of Morphine and Ketamine in the Rat", American Society of Anesthesiologists, A.S.A., Annual Meeting, 1978.
- W. Hess, E. Boyd, and Y. David: "Cardiopulmonary and Amnesic Effects of Alprazolam - A New Benzodiazepine Derivative", American Society of Anesthesiologists, A.S.A., 1977.
- Y. David: "Environmental Hazards to OR Personnel" - Association of Operating Room Nurses West Virginia - A.O.R.N. Workshop, 1977.
- Y. David: "Electrosurgical Safety in the OR" - A.O.R.N. West Virginia Workshop, 1977.

PROFESSIONAL ACTIVITIES:

Judge, Medical Design Excellence Awards, Los Angeles, California, February 2004 – Present.

Chairman, NFPA Laser Safety Committee, Boston, Massachusetts, January 1998 - 2008.

President, ACCE HealthCare Technology Foundation (501C3) - 2002.

PROFESSIONAL ACTIVITIES (CONT.):

Chair, NFPA 99 Health Care Facilities - Gas Delivery Equipment (HEA-GAS) Committee, July 2002.

Advisor to the Board of Directors, Orbis International, New York, NY, August 1999.

Committee Member - AAMI/ES, Electrical Safety Committee. 2001.

- AAMI/EM, Electromagnetic Compatibility Committee. 2000.

Lecturer, "Problems With Medical Telemetry and Telemedicine", Healthtec '99, Baltimore, Maryland, April 2000.

Member, Orbis International Global Grant Applications, New York City and Seattle, Washington, July 1999.

Representative, in the "4th International Conference on the Medical Aspects of Telemedicine," held in conjunction with US-Israel Science and Technology Symposium on "Telemedicine Frontiers Toward the 21st. Century, Jerusalem, Israel, June 1999.

Representative to the First Meeting of 1999 TeleHealth Committee of the American Society of HealthCare Engineering (ASHE), Seattle, Washington, February 5, 1999.

Panel Member, AIBS Peer Review Panel on the Defense Women's Health (DWH) Research Programs. The American Institute of Biological Sciences (AIBS) and the United States Army Research and Material Command (USAMRMC), Sterling, Virginia, January 25 - 26, 1999.

Representative, TCH International at Caracas and Maracaibo, Venezuela negotiations of Telemedicine Projects, 1999.

Workshop Chairman, "Real Telemedicine Applications and Issues", Sponsored by the Annual Conference and Exposition for the Selection, Integration, Management and Support of Healthcare Technology, in conjunction with ASHE's National Conference on Medical Technology Management, Nashville, Tennessee, May 1998.

Program Chairman, "Electromagnetic Interferences Around Medical Devices", taped for television broadcast by HITN, Washington, D.C., May 1998.

Session Chair, "Electromagnetic Interference - International Issues," AAMI 33rd Annual Meeting, Philadelphia, Pennsylvania, May 1998.

Representative, TCH International and the Greater Houston Partnership, representing Texas Children's Hospital as a member of the business development mission, Caracas, Venezuela, March 1998.

Guest Speaker, Exploring Opportunities for International Telemedicine Links, Center for Telemedicine Law (CTL), at the White House, Washington, D.C., August 1997.

PROFESSIONAL ACTIVITIES (CONT.):

Faculty Member, Meet the Experts Session on “Electromagnetic Compatibility: Facility Policy Procedures and Education,” AAMI/FDA, AAMI Annual Meeting, Washington, D.C., June 1997.

Roundtable Moderator, “Telemedicine and PACS: What’s Ahead?” AAMI Annual Meeting, Washington, D.C., June 1997.

Track Chairman, “ElectroMagnetic Interference in Medical Devices”, AAMI Annual Meeting, Washington, D.C., June 1997.

Track Chairman, “ElectroMagnetic Interference in Medical Devices”, AAMI Annual Meeting, Philadelphia, Pennsylvania, June 1996.

Track Chairman, "Telemedicine", SPIE, Philadelphia, Pennsylvania, October 1995.

Track Chairman, "Critical Care Monitoring and Telecommunications for Health Care", 17th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (IEEE/EMBS) and 21st Canadian Medical and Biological Engineering Conference, Montreal, Canada, September 1995.

Track Co-Chair, "Electromagnetic Compatibility", Association for the Advancement of Medical Instrumentation (AAMI), Anaheim, California, May 1995.

Track Chairman, "Critical Care Monitoring", 16th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Baltimore, Maryland, November 1994.

Course Director, "Evaluating Medical Technology: The Hospital Perspective", AAMI Mid-year Meeting and Exposition, Bellevue, Washington, October 1993.

Chairman, Boston Organizing Committee, Responsible for Developing and Implementing 4 weeks of Clinical Engineering training for 40 Engineers from the former Soviet Union Republics, Central and South America, Boston, Maine, May/June 1993.

Session Chairman, "Clinical Engineering in the Hospital Environment", IEEE/EMBS Annual Meeting, Orlando, Florida, November 1991.

Session Chairman, "Monitors and Instrumentation in Critical Care", IEEE/EMBS Annual Meeting, Orlando, Florida, November 1991.

Session Co-Chairman, “Clinical Engineering Role”, World Congress on Medical Physics and Biomedical Engineering, Kyoto, Japan, July 1991.

Course Director, "Towards Excellence: Critical Information for Clinical Engineering Managers", The Canadian Medical and Biological Engineering Society, Banff, Alberta, May 1991.

Course Director, "Towards Excellence: Critical Information for Hospital Clinical Engineering Managers", AAMI 25th Annual Meeting, Anaheim, California, May 1990.

PROFESSIONAL ACTIVITIES (CONT.):

Roundtable Moderator, "National Clinical Engineering Society - One Year Later", AAMI 25th Annual Meeting, Anaheim, California, May 1990.

Chairman, Post Conference Symposia - 6th Annual Conference of the International Society for Technology Assessment in Health Care, Houston, Texas, May 1990.

Chairman, IEEE/EMBS Clinical Engineering Committee, 1990.

Chairman, IEEE/EMBS Ad Hoc Clinical Engineering Committee, 1988-1989.

Chairman, The Clinical Engineering Track, IEEE/EMBS 11th Annual International Conference, Seattle, Washington, November 1989.

Symposium Chairman, "The Role of the Engineer in the Healthcare System", IEEE/EMBS 11th Annual International Conference, Seattle, Washington, November 1989.

Roundtable Chairman, "National Clinical Engineering Society?", AAMI 24th Annual Meeting, St. Louis, Missouri, May 1989.

Chairman, The Clinical Engineering Track, IEEE/EMBS 10th Annual Conference, New Orleans, Louisiana, November 4-7, 1988.

Session Chairman, Systems and Instruments for Clinical Assessment, IEEE/EMBS 10th Annual Conference, New Orleans, Louisiana, November 4-7, 1988.

Scientific Program Chairman: Clinical Engineering (13 sessions) in the World Congress on Medical Physics and Biomedical Engineering, San Antonio, Texas, August 7-12, 1988.

The 6th Biomedical Engineering Research in Houston Conference - Program Steering Committee, Houston, Texas, 1988.

Session Chairman, "Ethical Responsibilities of the Clinical Engineer", IEEE/Health Care Engineering Policy Committee Symposia: Ethical and Economic Issues in Biomedical Engineering Technology and Technological Advances in Models for Biomedical Research - Boston, Massachusetts, November 13-14, 1987.

Session Co-Chairman, Clinical Engineering, The VII Nordic Medical and Biological Engineering, Trondheim, Norway, 1987.

Chairman, The Fourth Annual Clinical Engineering Symposium and the AAMI Regional Meeting and Exhibit Program, 1987.

Round Table Discussion Moderator - "Clinical Engineering Policy - Government and Industry Interface", IEEE/Engineering in Medicine and Biology, 8th Annual Conference, November 1986.

Chairman, The Third Annual Clinical Engineering Symposium and the AAMI Regional Meeting and Exhibit Program, 1985.

PROFESSIONAL ACTIVITIES (CONT.):

Chairman, The Second Annual Clinical Engineering Symposium, Houston, Texas, 1984.

Conduct: Medical Residents Lecture Series Physics and Electricity for the Anesthesiologist.
The University of Texas Health Science Center at Houston, Department of
Anesthesiology, Houston, Texas, November 1984.

Round Table Discussion Moderator - "The Life Cycle of Medical Devices: Issues of Aging &
Obsolescence", The 19th AAMI Annual Meeting, April 1984.

Lecturer, "Clinical Engineering: Responsibilities and Opportunities", Association of
Bioengineering Students, Texas A & M University, College Station, Texas, April 1984.

Session Chairman, Clinical Application - 2nd Annual Conference on Biomedical Engineering
Research, University of Houston, Houston, Texas, February 1984.

Founder and Program Chairman, The Annual Clinical Engineering Symposium, Houston, Texas,
1983.

Scientific Director, Pain Management Consultants, Morgantown, West Virginia, 1979-1983.

Conduct: Basic Science Series - Electricity, Physics, and Instrumentation for Anesthesiology
Residents. West Virginia University Medical School, Morgantown, West Virginia,
1976-1982.

Session Chairman, "Application of Electrical Nerve Stimulation for Clinical Pain Control",
AAMI 17th Annual Meeting, May 1982.

Adviser (With W. A. Neal, M.D.) The W.V.U. Medical Student Cardiology Fellowship. Every
year the work has been selected for presentation at the Van Lier Medical Student
Research Paper Competition, West Virginia University Medical Center, Morgantown,
West Virginia, 1979-1982.

Advisor, Anesthesia Biomedical Engineering Summer Preceptorship, West Virginia University
Medical School, Morgantown, West Virginia, 1979-1982.

Appears In:

Who's Who in International Scientist of the Year - 2002-2003.

Who's Who in Medicine and Healthcare, 2nd Edition - 1998.

Who's Who in the World, 16th Edition - 1997.

Who's Who in America, 53rd Edition - 1997.

Who's Who in Science and Engineering Registry, 4th Edition - 1997.

Who's Who in the South and Southwest 17th Edition 1980-1995.

PROFESSIONAL ACTIVITIES (CONT.):

Who's Who Registry - 1994-1995.

Biomedical Technology Management - Profile Interview, July/August 1994.

Who's Who in the Frontiers of Science and Technology 2nd Edition.

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The Directory of Distinguished Americans - 1st edition, 1981.

GRANTS AND RESEARCH:

Texas Infrastructure Fund- Implementation of Pediatric Telemedicine Program – Dr. L. Jefferson (P.I.) – (\$300,000.00), March 2000.

Understanding and Preventing Neonatal Brain Damage Consultant for Dr. Jan Goddard Finegold (P.I.) Department of Health & Human Services Grant (\$1.63M), April 1993.

Clinical Evaluation of Fiber optic pH Monitoring for Intrapartum Fetal Monitoring - Co-Investigator with M.G. Dodson, M.D., and D. Cotton, M.D., Baylor College of Medicine Dept OB/GYN, Houston, Texas, 1985.

Clinical Evaluation of Tissue pH Monitoring for Intrapartum Fetal Monitoring - Co-Investigator with E. Abouleish, M.D., and F. Zavisca, M.D. U of T Medical School, Houston, Texas, 1984.

The Clinical Investigation of New Tissue pH System During the Intra and Peri-Operatively Periods, Co-Investigator, Charles Kolinier, M.D., West Virginia University Medical School, Morgantown, West Virginia, 1982.

The Pharmacological Effects of Diazepam and Flurazepam on the Cardiovascular and Respiratory Systems in Healthy Volunteers - with Richard B. Knapp, M.D., W. Virginia University Medical School, Morgantown, West Virginia, 1981.

Transcutaneous PO2 Monitoring in the Post Operative Cardiac Surgery Patients (Children) with W. Neal, M.D., West Virginia University Medical School, Morgantown, West Virginia, 1980.

The Effect of Inhalation Anesthetic Agents on Transcutaneous Oxygen Tension Indicator - with J. Gutierrez, M.D., West Virginia University Medical School, Morgantown, West Virginia, 1980.

NonInvasive Recording of Fetal EEG - with D. Remen, M.D., West Virginia University Medical Center, Institutional Research Grant (\$2,000.00), 1977.