

## CURRICULUM VITAE

### **Yadin B. David**

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December 31, 2012

#### **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 Adj. Professor, Biomedical Engineering Program, Health Sciences Division, Tecnológico De Monterrey School of Biotechnology and Health, Mexico.

**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](http://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.
- 2002 - Chinese PLA Postgraduate Medical School - 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](http://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 -  
Editorial Review Board (1995-2008).

**PROFESSIONAL SOCIETIES AND COMMITTEE MEMBERSHIPS (CONT.):**

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).
- 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).

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).

**PROFESSIONAL SOCIETIES AND COMMITTEE MEMBERSHIPS (CONT.):**

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).

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).

**Co-Chairman**

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:**

- R. Calderon, Y. David: TRIAD Catheter System Engineering Delivery Solutions for Medical Applications, IEEE/EMBS 1<sup>st</sup> Conference on Translational Engineering in Health & Medicine, Houston, Texas, USA, Nov. 2012.\*
- Y. David: "Clinical Engineering" chapter in *The Biomedical Engineering Handbook 4/e*, CRC Press/Taylor & Francis Group, LLC, California, USA, in print (projected 10/2012).
- Y. David: "Healthcare Technology in the US – Adoption and Regulations", The Trendlines Group/Ministry of Industry Trade & Labor workshop, Houston, TX, March 27, 2012.
- L. Cordisco, Y. David: "Preparing Biomed For the Future", Horizon Supplement to Biomedical Instrumentation & Technology, AAMI, Fall 2011\*
- Y. David: "Role of Clinical Engineers in System Risk Management", IEEE Galveston Bay Section & NASA Alumni League Seminar, Johnson Space Center, Houston, TX, Oct. 2011.
- T. Clark, T. Bauld, Y. David, et al: "2011 National Clinical Alarms Survey – Perceptions, Issues, Improvements, and Priorities of Healthcare Professionals" Healthcare Technology Foundation, AAMI, ACCE, Philips, National Alarm Summit, Washington, D.C., October 2011\*
- Y. David, R. Calderon: "Percutaneous Closed-Loop Perfusion (PCP)", 2011 Innovation Conference and Showcase, Houston Technology Center, Houston, Texas, Sept. 2011.
- Y. David: "Medical Safety and Risk Control Assessment" , The 5th Clinical Engineering Certification Workshop, Huangshan, China, Sept. 22, 2011.\*
- Y. David: "Healthcare Technology Management - Convergence of CE-IT and Telecommunications", The 12th Annual Meeting of Medical Engineering Society of Chinese Medical Association and the 2011 Chinese Congress of Clinical Engineering & Digital Medicine, Haungshan, China, Sept. 23-24, 2011. \*
- Y. David: "Are Medical Devices Mobility and Security Antagonists?" Health Management Technology (HME), Issue 23, Thought Leaders Section, <http://www.healthmgttech.com/index.php/online-only-features/online-only-features/are-medical-devices-mobility-and-security-antagonists.html>, June 14, 2011.
- Y. David: "Healthcare Puts Tablets to the Test," InformationWeek Healthcare, [www.informationweek.com](http://www.informationweek.com), May 21, 2011.
- Y. David: "System Risk Control in Healthcare Delivery Organizations," Mobile Healthcare Technology Summit, University of Houston, Houston, Texas, May 5, 2011.

\* Peer Review Paper

**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- Y. David, Z. Dan, W. Hyman, Z. Kun: "Clinical Engineering Development in China," Journal of Clinical Engineering, April/June 2011, pg 68-71.\*
- Y. David: "AAMI/IEC 80001-1 – Sharing the Burden: Collaborating to Keep Networks Safe, Secure and Effective," AAMI Webinar, April 7, 2011.
- Y. David: "Development of Medical Device Policies," Who Medical Device Technical Series, World Health Organization (WHO), Geneva, Switzerland, March 5, 2011.\*
- Y. David: "Evolving Medical Technology: the New Role of Clinical Engineering," 11<sup>th</sup> National Congress of the Association of Italian Clinical Engineers, Turino, Italy, February 25, 2011.\*
- Y. David: "The Changing Role of Engineering in Healthcare IT: Seizing the Opportunities," Health Forum Web Seminar, February 7, 2011.
- T. Cooper, Y. David, S. Eagles: "Getting Started with IEC 80001, Essential Information for Healthcare Providers Managing Medical IT-Networks," Association for the Advancement of Medical Instrumentation (AAMI), Arlington, Virginia., 2011.\*
- Y. David: "Understanding & Benefiting form AAMI / IEC 80001-1, Essential Information for Networked Technology Suppliers," AAMI Webinar, January 19, 2011.
- Y. David: "Medical Equipment – Role and Responsibilities in NGO World," 5<sup>th</sup> Annual Med Surplus Network Conference, Houston, Texas, November 4, 2011.
- Y. David: "Event Investigation – How Did It Happen?" 2010 FBS Symposium Schedule, Florida Biomedical Society, Orlando, Florida, October 21-24, 2010. \*
- Y. David: "ISO 80001 – Challenges of Integrating Medical Device with Networks," 2010 Chinese Congress of Clinical Engineering & Digital Medicine and the 11<sup>th</sup> Annual Meeting of Medical Engineering Society of Chinese Medical Association, Shanghai, China, September 9, 2010.\*
- Y. David: "Risk Management/Safety and Human Factors," 2010 Chinese Congress of Clinical Engineering & Digital Medicine and the 11<sup>th</sup> Annual Meeting of Medical Engineering Society of Chinese Medical Association, Shanghai, China, September 9, 2010.\*
- Y. David: "Introduction to Clinical Engineering Certification Process and Examination," 2010 Chinese Congress of Clinical Engineering & Digital Medicine and the 11<sup>th</sup> Annual Meeting of Medical Engineering Society of Chinese Medical Association, Shanghai, China, September 9, 2010.\*

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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- Y. David: "Healthcare Technology Management," 2010 Chinese Congress of Clinical Engineering & Digital Medicine and the 11<sup>th</sup> Annual Meeting of Medical Engineering Society of Chinese Medical Association, Shanghai, China, September 9, 2010.
- Y. David: "Clinical Engineering Certification Training," 2010 Chinese Congress of Clinical Engineering & Digital Medicine and the 11<sup>th</sup> Annual Meeting of Medical Engineering Society of Chinese Medical Association, Shanghai, China, September 9, 2010.
- Y. David: "Professional Competency of Clinical Engineering," Proceeding of XII Mediterranean Conference on Medical and Biological engineering and Computing - Medicon 2010, IBMBE, Porto Carras, Greece, May 28, 2010.\*
- Y. David: "Benchmarking," Biomedical Advisory Council (BAC) Meeting, Tampa, Florida, May 24, 2010.
- L. Lloyd, Y. David, et.al.: "The Survival of the Smartest, This year's group of MDEA winners featured several devices with nifty data and software capabilities," Medical Design Excellence Awards, MD+DI (Medical Device and Diagnostic Industry), April 2010, pg 24-29.
- Y. David: "Planning the 1<sup>st</sup> Global Medical Device Forum," World Health Organization, Geneva, Switzerland, December, 2009.
- Y. David: "Role of Clinical Engineering in International Project," Technology Management Group, World Health Organization, Rio de Janeiro, Brazil, November, 2009.\*
- 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.\*
- 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>.\*

\* Peer Review Paper

**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- 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 9<sup>th</sup> 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 9<sup>th</sup> 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 Healthcare User 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.
- San Jose, California: "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.
- 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.

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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- 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, June 2008.
- 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, 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.
- 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.

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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- Y. David, T. Pagel, M. Howell, and L. Sessions: "IPLST, Integrated Platform for Life Safety & Tracking," Executive Council, Texas Children's Hospital, Houston, Texas, Oct. 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](http://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](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](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 & Exec. Committee, Texas Children's Hospital, Houston, Texas, July 11, 2007.
- Y. David, and T. Clark: "Improving Patient Safety Through Clinical Alarms Management," 11<sup>th</sup> 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.
- 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.
- Y. David: "Technology servicing program", Biomedical Advisory Council (BAC), Boston, MA, June 14, 2007

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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- Y. David: "Colloquium Addresses Medical Device Incidents," Article in 24x7 Weekly Jolt, [http://www.24x7mag.com/joltnews/2007-05-22\\_01.asp](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: "Disaster Preparedness – The Role of Clinical Engineering," ACCE Education Series 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: "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," 2<sup>nd</sup> 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, 55<sup>th</sup> Annual Consular Forum Conference, Houston, Texas, October 27, 2006.
- Y. David: "JCAHO Sentinel 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](http://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.

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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- 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.
- 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.
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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- 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," 4<sup>th</sup> 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," 4<sup>th</sup> 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," 27<sup>th</sup> 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.
- 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.

\* Peer Review Paper

**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- 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 Related 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,” 3<sup>rd</sup> International Clinical Engineering Symposium, Beijing, China, November 10, 2004.
- Y. David: “Clinical Engineering in the US – Professional Development Certification and Registration,” 3<sup>rd</sup> International Clinical Engineering Symposium, Beijing, China, November 10, 2004.
- Y. David: “Rationale for Adoption of Disposable Medical Assets,” 3<sup>rd</sup> International Symposium, Beijing, China, November 10, 2004.
- Y. David: “Management of Equipment Spare Parts,” 3<sup>rd</sup> 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.
- 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.

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- 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.
- Y. David: "HealthCare Technology Management," Technology Management & Clinical Engineering Workshop, San Jose, Costa Rica, May 17-21, 2004.
- Y. David: "Benchmarking Who Needs It?," 2<sup>nd</sup> International Clinical Engineering Fellowship, Shanghai, China, November 8-14, 2003.
- Y. David: "Best Practices in Clinical Engineering," 2<sup>nd</sup> International Clinical Engineering Fellowship, Shanghai, China, November 8-14, 2003.
- Y. David: "ElectroMagnetic Compatibility in Healthcare Facilities," 2<sup>nd</sup> International Clinical Engineering Fellowship, Shanghai, China, November 8-14, 2003.
- Y. David: "Knowledge-Based Management of Technology," 2<sup>nd</sup> International Clinical Engineering Fellowship, Shanghai, China, November 8-14, 2003.
- Y. David: "Benchmarking: Who Needs It?," III Clinical Engineering International Symposium at Hospital Israelita Albert Einstein, Sao Paulo, SP Brazil, October 17-18, 2003.
- Y. David: "ElectroMagnetic Compatibility in Healthcare Facilities," III Clinical Engineering International Symposium at Hospital Israelita Albert Einstein, Sao Paulo, SP Brazil, October 17-18, 2003.

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- Y. David: "Biomedical Engineering and Television Services Department," St. Luke's Episcopal Hospital, Houston, Texas, October 10, 2003.
- Y. David: "Clinical Engineering Issues Related to ElectroMagnetic Compatibility," FDA Office of Surveillance and Biometrics, MedSun Medical Product Surveillance Network Telecast, Washington, DC, October, 2003.
- Y. David: "Best Practices in Clinical Engineering," 25<sup>th</sup> Anniversary Hospital San José – Tec De Monterrey, Monterey, N.L., Mexico, October 3, 2003.
- Y. David: "Biomedical Engineering and Clinical Medicine – Case Study in Telemedicine," 25<sup>th</sup> Anniversary Hospital San José – Tec De Monterrey, Monterey, N.L., Mexico, October 3, 2003.
- Y. David, and E. Sloane: Co-Chairmen, "Clinical Engineering Practices Review Pre-Conference Workshop," 25<sup>th</sup> Annual International Conference of IEEE Engineering in Medicine and Biology Society, Cancun, Mexico, September 17-21, 2003.
- Y. David: "Disaster Preparedness – The Role of Clinical Engineering," ACCE Audio Telecast, September 18, 2003.
- Y. David: "Medical Technology Management," 25<sup>th</sup> Annual International Conference of IEEE Engineering in Medicine and Biology Society, Cancun, Mexico, September 17-18, 2003.
- Y. David: "Clinical Engineering Operations Management and Supervision," 25<sup>th</sup> Annual International Conference of IEEE Engineering in Medicine and Biology Society, Cancun, Mexico, September 17-18, 2003.
- Y. David: "Overview of EMI in Healthcare Facilities," Med Sun/FDA Teleconference Management of Electromagnetic Compatibility in Health Care Facilities, National Telecast, September 9, 2003.
- Y. David, and E. G. Jahnke: "Medical Technology Management: From Planning to Application," International Medical Devices Journal, August, 2003, pgs 17-20 & 46.\*
- J.A. Coss-Bu, D. Walding, Y. David, and L.S. Jefferson: "Dead Space Ventilation In Critically Ill Children With Lung Injury," Clinical Investigations in Critical Care, Chest, 123, 6, June, 2003, pgs 2050-2056.\*
- Y. David: "Benchmarking: Who Needs It?," AAMI 19<sup>th</sup> Annual Conference on Clinical Engineering Productivity and Cost Effectiveness & AAMI Subcommittee on Technology Management, Long Beach, California, June 13, 2003.
- Y. David: "Cell Phone EMI Test Protocol," Texas Children's Hospital Administration, Houston, Texas, June 5, 2003.

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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- Y. David: "Electromagnetic Interference: Issues & Guidelines," TEPR 2003 Medical Records Institute, San Antonio, Texas, May 13, 2003.
- Y. David: "Biomedical Engineering and Clinical Medicine – Case Study in Telemedicine," Hospital San José – Tec. De Monterrey, Monterey, N.L., Mexico, March 14, 2003.
- Y. David: "BenchMarking: Who Needs It?," ACCE 2003 Educational Teleconference Program, Houston, Texas, January 16, 2003.
- Y. David, W.W.vonMaltzahn, M.R. Neuman, and J.D. Bronzino: "Clinical Engineering, Principles and Applications in Engineering Series," CRC Press, 2003.
- Y. David, W. D. Paperman, C. Blair, and D. Walding: "Telemedicine, Telecommunications and Electromagnetic Interferences," EXPO Medica Hospital Del Norte 2002, XXV Congreso Nacional de Ingeniería Biomédica, Monterey, N.L., Mexico, November 8, 2002.
- J. Coss-Bu, MD, D. Walding, BSBE, Y. David, and L. Jefferson, MD: "Dead-Space Ventilation in Critically Ill Children With Lung Injury," Chest, Accepted for Publication, Northbrook, Illinois. October 29, 2002.\*
- Y. David: Program Chairman, "Telemedicine Program Design and Technical Issues," The Second Joint Meeting of the IEEE Engineering in Medicine and Biology Society and the Biomedical Engineering Society, EMBS/BMES 2002, Houston, Texas, October 23 - 26, 2002.
- Y. David: "The Role of Professional Societies and Breaching Engineering and Medicine," The Second Joint Meeting of the IEEE Engineering in Medicine and Biology Society and the Biomedical Engineering Society, EMBS/BMES 2002, Houston, Texas, October 23 - 26, 2002.
- Y. David: "General Overview of EMI and EMC for Medical Devices in Healthcare Facilities," National Summit on Electromagnetic Interference (EMI) Between Wireless Communication and Computing Devices and Medical Devices in Healthcare Facilities, Medical Records Institute, Las Vegas, Nevada, October 15-16, 2002.
- Y. David: Keynote address, "Clinical Engineering: Operations Management and Supervision," and "Principles of Medical Technology Management", at the Clinical Engineering Symposium of the Association of Medical Equipment of China, Beijing, China, September 17-18, 2002.
- Y. David: "Biomedical Engineering and Television Services Department," Texas Children's Hospital, Information Services Department, Houston, Texas, August 22, 2002.
- Y. David: "Disaster Readiness: Addressing Healthcare Technology Needs, Medical Equipment and System Issues," American College of Clinical Engineering (ACCE) Annual Meeting and AAMI Annual Conference, Minneapolis, Minnesota, June 2, 2002.

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- Y. David: "Global Perspectives on Healthcare Technology Leadership," ACCE Symposium, American College of Clinical Engineering (ACCE) Annual Meeting and AAMI Annual Conference, Minneapolis, Minnesota, June 1, 2002.
- Y. David: "Medical Technology Management," Venezuelan Congress of Bioengineering and Pan American Health Organization (PAHO), Coro, Venezuela, May 12-17, 2002.
- Y. David: "Professional Ethics," VI International Symposium & 3<sup>rd</sup> Symposium of Hospital Technology and Management, Sao Paulo, Brazil, March 21-24, 2002.
- Y. David: "Disaster Readiness: Addressing Healthcare Technology Needs, Medical Equipment and System Issues," ECRI Audio Telecast, Houston, Texas, February 20, 2002.
- Y. David: "Telemedicine: I Can See the Highway, but Where is the Ramp?," The 2<sup>nd</sup> International Symposium of the Galil Center for Telemedicine and Medical Informatics, February 2002.
- Y. David: "Clinical Engineering in the US - Present Conditions and Future Trends," The First Clinical Engineering Symposium, Albert Einstein Hospital, Sao Paulo, Brazil, October 2001.
- Y. David: "Telemedicine: I Can See the Highway, but Where is the Ramp?," Hospital Israelita Albert Einstein, The First Clinical Engineering Symposium, Sao Paulo, Brazil, October 2001.
- Y. David: "Clinical Engineering - Are We Ready for a Place at the Table?," Annual Conference of Engineering and the Physical Sciences in Medicine & IEEE-EMBS Asia Pacific Conference on Biomedical Engineering, Fremantle, Western Australia, October 1-9, 2001.
- Y. David: "Telemedicine: Can It Deliver?," 2nd Annual CIRACET Seminar, Puerto Rico, August 10, 2001.
- Y. David: "Telemedicine," VIII Annual International Congress on Electronics, Electrical and System Engineering, - Intercon 2001, Piura, Peru, August 6-10, 2001.
- Y. David: "Clinical Engineering Tutorial," VIII Annual International Congress on Electronics, Electrical and System Engineering, - Intercon 2001, Piura, Peru, August 6-10, 2001.
- Y. David: "New Technologies: PACS and Telemedicine," Advanced Health Technology Management Workshop, Sponsored by PAHO and ACCE, Sao Paulo, Brazil, June 2001.
- Y. David: "Engineering Requirements and Clinical Applications for Telemedicine Program," The Congress on Man and Medicine, Moscow, Russia, June 2001.

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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- Y. David: "Acquisition of Medical Equipment," Advanced Clinical Engineering Workshop, Sponsored by PAHO/IEEE/ACCE, Havana, Cuba, May 2001.
- Y. David: "Clinical Engineering Are We Ready for a Place at the Table," II Latin American Congress of Biomedical Engineering, Sponsored by PAHO/IEEE/ACCE, Havana, Cuba, May, 2001.
- Y. David: "Design Considerations for Telemedicine Program," University of Connecticut, Clinical Engineering Graduate Program, April 2001.
- Y. David, John Kenna, Larry Jefferson, M.D., and James Shanahan: "Telemedicine: I Can See The Highway, but Where is the Ramp?," Journal of Clinical Engineering, Vol. 26, No. 1, pg. 77-82, Winter 2001. \*
- Y. David: "Making TeleHealth The Medical Gateway For The Next Generation," Galil Center for Telemedicine and Medical Informatics, Technion/RAMBAM Medical Center, Haifa, Israel, December 4 - 8, 2000.
- Y. David: "Managing Risks Associated With Electromagnetic Interferences in Hospitals," University Health System Consortium Technology & Facilities Management Council, Las Vegas, Nevada, October 19 - 20, 2000.
- Y. David: "An Advanced Clinical Engineering and Healthcare Technology Management Program," International Workshop, Vilnius, Lithuania, September 25 - 29, 2000.
- Y. David: "The Role of Technology in Reducing Medical Errors," Health Tech 2000 Conference, Dallas, Texas, May 2000.
- Y. David, A. Bukhari, and W.D. Paperman: "Management of Electromagnetic Interference at a Hospital," Journal of Clinical Engineering, pg. 95-103, March/April 2000\*.
- Y. David: "The Perspective of Telemedicine," Community Telemedicine Symposium, Texas A & M University, College Station, Texas, January 2000.
- L. M. Adcock, Y. David, et al.: "Telemedicine Examination of the Normal Newborn - How Reliable is the Technology," Archives of Pediatrics & Adolescent Medicine, November 1999. \*
- D. Paperman, and Y. David: "Evaluation of Cellular Telephone Detection in the Clinical Environment," Journal of Clinical Engineering, Vol. 24, No. 5, p. 77, September/October 1999. \*

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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- Y. David: "Effective Planning, Acquisition and Utilization of Healthcare Technology," an Advanced Clinical Engineering and Healthcare Technology Management Program. World Health Organization, American College of Clinical Engineering, Association of Medical Physicists of Russia, Ministry of Health of the Russian Federation, Russian Academy of the Medical Sciences, International Federation for Medical and Biological Engineering, International Federation of Hospital Engineering, American International Health Alliance, Oregon Health Sciences University, Swiss Tropical Institute and World Bank, Moscow, Russia, September 1999.
- Y. David, Joint Simultaneous Keynote address with Baylor College of Medicine, Harvard Medical School, Texas Children's Hospital and Rabin Medical Center: "Telemedicine as an Interactive Tool for Remote Simulation of Critical Care Emergencies," at the Joint International Conference of the Annual Meeting of the Telemedicine Association (in Jerusalem, Israel) and the Association for the Advancement of Medical Instrumentation (in Boston, MA), June 1999.
- Y. David: "Robust Telehealth Program International Issues," Annual Meeting of the International Telemedicine Association, Jerusalem, Israel, June 1999.
- L. M. Adcock, Y. David, et al: "Telemedicine Examination of the Normal Newborn - How Reliable is the Technology," the Society for Pediatric Research Annual Meeting, San Francisco, California, May 4, 1999.
- G. Miller, F. Stein, R. Trevino, Y. David, C. F. Contant, and L. S. Jefferson: "Rectal-Scalp Temperature Difference Predicts Brain Death in Children," *Pediatric Neurology*, Vol. 20 No. 4, Houston, Texas, April 1999. \*
- Y. David, J.A. Coss-Bu, D. Walding, R.C. Sachdeva, W.J. Klish, and L.S. Jefferson: "Lung Injury (L1) and Dead Space Ventilation (DSV) In Critically Ill Children," American Thoracic Society, 1999 International Conference, San Diego, California, April 1999.
- Y. David, J.A. Coss-Bu, D. Walding, R.C. Sachdeva, W.J. Klish, and L.S. Jefferson: "Lung Injury (L1) and Dead Space Ventilation (DSV) In Critically Ill Children," *American Journal of Respiratory and Critical Care Medicine*; 159 (3: Part 2 of 2): A777, 1999. \*
- Y. David: "The Role of Health Care Technology in the Development of Sustainable Health Systems," World Health Organization (WHO), Geneva, Switzerland, December 1998.
- Y. David: "Electromagnetic Interference as a Barrier to Effective Use of Telemedicine," American Medical Informatics Association (AMIA) '98 Annual Symposium, Buena Vista, Florida, November 1998.
- Y. David: "Medical Telemetry and Digital Television Interference Issues," Federal Communication Commission (FCC), Food and Drug Administration (FDA), American Hospital Association (AHA), and American Society of Healthcare Engineering (ASHE), Washington, D.C., November 1998.
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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

Y. David: "How to Develop International Telemedicine Program," Child Health Corporation of America (CHCA), Tampa, Florida, October 1998.

Y. David: "Is International Telemedicine Different from Domestic?," Telemedicine: Opportunities For Rural America, Conference Center Good Samaritan Foundation, Kearney, Nebraska, and October 1998.

Y. David: "Operating an International Project - Ongoing Legal Issues," National Conference on Legal and Policy Developments, The Center for Telemedicine Law American Telemedicine Association, Washington, D.C., October 1998.

Y. David: "Planning Issues Related to the Implementation of a TeleHealth Center," HIMSS Healthcare Symposium, Dallas, Texas, October 1998.

Y. David, J.A. Coss-Bu, D. Walding, W.J. Klish, and L.S. Jefferson: "Substrate Utilization in Critically Ill Children," Eleventh Annual Pediatric Colloquium, Chicago, Illinois, September 1998.

Y. David, J.A. Coss-Bu, L.S. Jefferson, William J. Klish, D. Walding, and E. O'Brian Smith: "Resting Energy Expenditure and Nitrogen Balance in Critically Ill Pediatric Patients on Mechanical Ventilation," from the Department of Pediatrics, Baylor College of Medicine, Department of Biomedical Instrumentation, Texas Children's Hospital, and USDA/ARS Children's Nutrition Research Center, Houston, Texas, September 1998.

Y. David, J.A. Coss-Bu, L.S. Jefferson, D. Walding, E. O'Brian Smith, and W.J. Klish: "Resting Energy Expenditure in Children in a Pediatric Intensive Care Unit: Comparison of Harris/Benedict and Talbot Predictions With Indirect Calorimetry Values," The American Journal of Clinical Nutrition, Vol. 14, No. 9, September 1998. \*

Y. David: "ElectroMagnetic Interference - International Issues," Association for Advancement of Medical Instrumentation (AAMI) 33rd Annual Meeting, Philadelphia, Pennsylvania, June 1998.

Y. David: "Challenges of Telemedicine and Medical Equipment in the 21st Century," Electric Power Research Institute (EPRI), Health Care Initiative Conference, San Francisco, California, June 1998.

Y. David: "Challenges of Telemedicine and Equipment in the 21st Century," NCHES 2nd Annual Conference, Challenges of the 21st Century, Arlington, Virginia, May 1998.

J.A. Coss-Bu, L.S. Jefferson, D. Walding, Y. David, E. O'Brian Smith, and W.J. Klish: "Resting Energy Expenditure in Children in a Pediatric Intensive Care Unit: Comparison of Harris/Benedict and Talbot Predictions With Indirect Calorimetry Values," The American Journal of Clinical Nutrition, 67(1) 74-80, 1998. \*

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- Y. David, J.A. Coss-Bu, D. Walding, W.J. Klish, L.S. Jefferson, and E.O. Smith: "Substrate Utilization in Critically Ill Children," *Pediatric Research*, Vol. 43, No 4, (Part 2 of 2): 35A, 1998. \*
- Y. David: "The Management of Electromagnetic Energy Around Medical Devices," Television Broadcast, Healthcare Informatics Telecom Network, HITN - Washington Report, Washington, D.C., May 1998. \*
- Y. David: "Nuts and Bolts - Real Telemedicine Applications and Issues," HealthTech '98, Nashville, Tennessee, May 1998.
- Y. David: "Real Telemedicine Applications and Issues," Annual Conference and Exposition of the Selection, Integration, Management and Support of Healthcare Technology, in conjunction with the American Society for Healthcare Engineering (ASHE)'s National Conference on Medical Technology Management, May, 1998.
- Y. David, J.A. Coss-Bu, D. Walding, W.J. Klish, and L.S. Jefferson: "Substrate Utilization in Critically Ill Children," American Pediatric Society for Pediatric Research, Poster Presentation, Annual Meeting, New Orleans, Louisiana, May 3, 1998.
- Y. David: "Telehealth: Steps to Successful Implementation," Joint Conference of the Healthcare Information and Management Systems Society (HIMSS); American College of Healthcare Executives (ACHE); American College of Physician Executives (ACPE); Healthcare Financial Management Association (HFMA); and the Medical Group Management Association (MGMA), Indian Wells, California, April 1998.
- D. Paperman, Y. David: "The Clinical Engineer: A Ghost Hunter or Manager of Electromagnetic Interference in the Clinical Environment," *Clinical Engineering Management, Biomedical Instrumentation & Technology*, March/April 1998. \*
- Y. David: "Telemedicine, What It Brings to Your Community," Opportunities & Challenges in the Telecommunications Industry, Lone Star Alliance, San Antonio, Texas, March 1998.
- Y. David, C. Contant, J. Goddard-Finegold, P. Louis, P. Rolfe, and D. Rodriguez: "Correlation of Near Infrared Spectroscopy Cerebral Blood Flow Estimations and Microsphere Quantitations in Newborn Piglets," *Biology of the Neonate*, 74:376-384, 1998. \*
- Y. David, Jorge A. Coss-Bu: "Substrate Utilization In Critically Ill Children," Poster Session II, Pediatric Academic Societies' Annual Meetings in New Orleans, Louisiana, 1998.
- Y. David, J.A. Coss-Bu, D. Walding, R.C. Sachdeva, W.J. Klish, and L.S. Jefferson: "In Vitro Validation if a Mass Spectrometer Based Metabolic System (MS)," *American Journal of Respiratory and Critical Care Medicine*, 155 (4: Part 2 of 2): A403, 1997. \*

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- Y. David, J.A. Coss-Bu, D. Walding, M.L. Levy, W.J. Klish, and L.S. Jefferson: "Nutritional Requirements in Patients With Toxic Epidermal Necrolysis," *Nutrition in Clinical Practice*; 12(2):81-4, 1997. \*
- Y. David: "Lasers: Hazards and Fire Protection," Health Care Section Educational Program, NFPA 1997 Fall Meeting, Kansas City, Missouri, November 1997.
- Y. David: "Health Care Safety Standards in South America & Australia," Health Care Section Educational Program, NFPA 1997 Fall Meeting, Kansas City, Missouri, November 1997.
- Y. David: "Nuts and Bolts - The Practical Integration of Medicine and Technology," Telemedicine and Telehealth Executive Summit, TeleMed III, Anaheim, California, November 1997.
- Y. David: "Technology Management in Health Care Institutions with Emphasis on Intensive Care Units," International Forum of Health Technology, Sao Paulo, Brazil, November 1997.
- Y. David: "Telehealth: Can We Take the Distance Out of Caring?," HIMSS Telehealth Conference, University of Texas Health Science Center, San Antonio, Texas, September, 1997.
- Y. David: Opening Address, "The Legal Environment of Telemedicine," Legamed, Inc., and the Center for Telemedicine Law (CTL), Arlington, Virginia, September 1997.
- Y. David: Keynote Address, "Current Practices and Future Directions for Telemedicine," The Annual Physics Meeting of Engineering, Radiation, and Medicine, South Australia, (PERM-IT '97), Adelaide, Australia, September, 1997.
- Y. David, T. Brotherton: "Exploring Opportunities for International Telemedicine Links," Center for Telemedicine Law (CTL), Washington, D.C., August 1997.
- Y. David: "Telemedicine and EMC: The New Frontier," Proceeding of the FDA/Conference on AAMI, Electromagnetic Compatibility/Electromagnetic Interference: Solutions for Medical Devices, June 1997.
- Y. David, W.D. Paperman, and J. Storch: "EMC: How To Manage The Challenge," American Hospital Association, ASHE Technical Document 055144, Healthcare Facilities Management Series, June 1997. \*
- Y. David, J.A. Coss-Bu, L.S. Jefferson, D. Walding, R.S. Sachdeva, and W.J. Klish: "In Vitro Validation of a Mass Spectrometer Based Metabolic System (MS)," American Thoracic Society, 1997 International Conference, San Francisco, California, May 1997.

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- Y. David: "Telemedicine - Will the Practice Meet the Promise?," The Bioengineering Research Center, University of Houston and The Houston Society for Engineering in Medicine and Biology, Houston, Texas, April 1997.
- Y. David: "Telemedicine - Will the Practice Meet the Promise?," Distinguished Lecture Series in Biomedical Engineering, Drexel University, Philadelphia, Pennsylvania, February 1997.
- Y. David, J.A. Coss-Bu, D. Walding, and L.S. Jefferson: "Dead Space Ventilation (DSV) in Critically Ill (CI) Children on Mechanical Ventilation (MV)," Proceedings of the Fifteenth Annual Houston Conference on Biomedical Engineering Research, p. 79, 1997.
- Y. David, J.A. Coss-Bu, L.S. Jefferson, and D. Walding: "Dead Space Ventilation (DSV) in Critically Ill (CI) Children on Mechanical Ventilation (MV)," 15<sup>th</sup> Annual Houston Conference on Biomedical Engineering Research, Houston Texas, February 1997.
- Y. David: "EMI issues," EPRI Signature Newsletter, Vol. 7 No. 1, Winter 1996-97.
- Y. David: "Prescription for EMI Problems in Healthcare," Electric Power Research Institute, EPRI Signature Newsletter, Vol. 7 No. 1, Winter 1996-97. \*
- Y. David: "Technology in Medicine: Has the Practice Met the Promise?," IEEE Education and Technology Conference, London, England, October 1996.
- Y. David: "Legal and Operational Issues in the Provision of TeleHealth Services," Proceedings of the Asia Telemed '96 Conference, Singapore, October 1996.
- Y. David, M.L. Gullikson, and C.A. Blair: "The Role of Quantifiable Risk Factors in a Medical Technology Management Program," Health Care Technology: Trends and Outcomes, The Environment of Care Series, Joint Commission, Number 3, 1996. \*
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- Y. David: "Medical Technology Management," Second Annual Technical Seminar for Biomedical Equipment Technicians, "A Commitment to Excellence", Texas State Technical College, Harlingen, Texas, August 1996.
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**PUBLICATIONS AND PRESENTATIONS (CONT.):**

- 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:**

- Theme Co-Chairman, "Clinical Engineering", World Congress on Medical Physics and Biomedical Engineering, Beijing, China, May 26-30, 2012.
- Board Member, National Science Foundation, Body of Knowledge Advisory, 2011 – Present.
- Judge, Medical Design Excellence Awards, Los Angeles, California, February 2004 – 2010.
- Chairman, NFPA Laser Safety Committee, Boston, Massachusetts, January 1998 - 2009.
- President, ACCE HealthCare Technology Foundation (501C3) - 2002.
- Chair, NFPA 99 Health Care Facilities - Gas Delivery Equipment (HEA-GAS) Committee, July 2002.
- 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.

**PROFESSIONAL ACTIVITIES (CONT.):**

Representative, in the “4<sup>th</sup> International Conference on the Medical Aspects of Telemedicine,” held in conjunction with US-Israel Science and Technology Symposium on “Telemedicine Frontiers Toward the 21<sup>st</sup>. 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.

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.

**PROFESSIONAL ACTIVITIES (CONT.):**

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.

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.

**PROFESSIONAL ACTIVITIES (CONT.):**

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.

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.

**PROFESSIONAL ACTIVITIES (CONT.):**

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 Liere 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.

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.

Appears In:

Men of Achievement - 8th edition, 1981.

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 Koliner, 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 PO<sub>2</sub> 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.

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