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Professional Preparation

Ph.D., Electrical Engineering, New Mexico State University, Las Cruces, NM, 1985.

M.S., Electrical Engineering, New Mexico State University, Las Cruces, NM, 1981.

B.S., Chemistry & Electrical Engineering (double-major), Virginia Military Institute, Lexington, VA, 1975.

Industrial Experience

Missile Systems Officer, CPT, US Army Air Defense Artillery

Digital Design Engineer, General Instrument (El Paso, Texas)

Digital Systems Engineer, Space Communications Company (Las Cruces, NM)

Systems Engineer, Septor, Inc. (El Paso, Texas)

Staff Engineer, Martin-Marietta Orlando Aerospace (Orlando, Florida)

President, I-Math Inc. (Orlando, Florida)

Patents & Copyrights

Method for Measuring and Analyzing Digital Video Quality, 2003, U.S. Patent #6577764.

Trophorometer, 1991, U.S. Patent #5,094,521.

Automated Knowledge Generation©1989, University of Central Florida.

UCFImage©1998, University of Central Florida.

simANNs©1989, ANNview©1991, parsimANNs©1991, University of Central Florida.

Professional Organizations and Licenses

Institute of Electrical and Electronics Engineers (IEEE)

East Area Chair, Region V (2006-2007)

Senior Member (1991-present)

Chair, Beaumont Section (2002-2006)

Florida Professional Engineer (by examination), Electrical Engineering #40199.

Texas Professional Engineer, Electrical Engineering #94458.

Consulting Experience

Center for Occupational Research and Development (CORD), Waco, Texas.

Frontier Technologies, Inc., Orlando, Florida.

American Academy of Ophthalmology, San Francisco, California.

McDonnell-Douglas Aerospace Co., St. Louis, Missouri.

Martin-Marietta (now Lockheed), Orlando, Florida and Denver, Colorado.

Autonomous Technologies, Inc., Orlando, Florida.

National Instruments, Austin, Texas.

Analog Devices, Norwood, Massachusetts.

Academic Appointments

Professor & Chair, Department of Electrical Engineering, Lamar University, Beaumont, Texas, August 2001-present.

Professor of Electrical Engineering, University of Central Florida, Orlando, Florida, September 1997-August 2001.

Associate Professor of Electrical Engineering, University of Central Florida, Orlando, Florida, September 1991-August 1997.

Assistant Professor of Electrical Engineering, University of Central Florida, Orlando, Florida, September 1986-August 1991.

Recent Publications

Myler, H. R., "Video and Bandwidth: the promise of profitability," International Engineering Consortium Annual Review of Communications, Volume 60, 2007.

Myler, H. R., "The Convergence of IPTV and HTPC" in Delivering the Promise of IPTV, International Engineering Consortium Comprehensive Report, 2006.

Myler, H. R., Bagasrawala, S. A., Narayana, N. V. "OFDM and GSM Protocol Optimization on a Software Defined Radio Parallel Processing Architecture," International Engineering Consortium Annual Review of Communications, Volume 58, 2005.

Guo, J., Van Dyke-Lewis, M. and Myler, H. R., "Gabor Difference Analysis of Digital Video Quality," IEEE Transactions on Broadcasting, 50:3, September 2004, pp. 302-311.

Myler, H. R., Guo, J., and Van Dyke-Lewis, M. "No-Reference Digital Video Quality Analysis," International Engineering Consortium Annual Review of Communications, Volume 57, September 2004.

Expert Witness Activity (since 1988)

Stuart Hyman, Attorney, Orlando, Florida—court appearances in Orange, Seminole and Osceola Counties.

Jaeger & Blankner, Orlando, Florida—court appearances in Orange, Seminole and Osceola Counties.

Whited Law Firm, Daytona Beach, Florida—court appearance in Volusia County.

Robert N. Harrison, Venice, Florida—court appearance in Sarasota County, FL.

Halford G. Schuhmacher, Attorney, Marathon, FL— court appearance in Monroe County.

Isaak & Zwirn, Tampa, Florida—court appearance in Hillsborough County.

Public Defender, 6th Judicial Ckt, Clearwater, Florida—court appearance in Pinellas County.

Public Defender, West Palm Beach, Florida—court appearance in Palm Beach County.

Carr & Carr, Naples, Florida—retained for consultation.

Hersch & Talisman, P.A., Coconut Grove, Florida—court appearance in Dade County.

Fox Bowman & Duarte, Bellevue, Washington—retained for consultation.

Ernest Mullins, Attorney, Kissimmee, Florida—court appearance in Osceola County.

Hale and Dorr LLP, Washington, D.C.—retained for consultation.

Fish & Richardson P.C., Wilmington, Delaware—retained for consultation.

Reed C. Cary, Melbourne, Florida—court appearance in Brevard County.

Essen & Essen, Miami, Florida—court appearance in Broward County.

McDonald & Shearer, Lakeland, Florida—court appearance in Polk County.

Cooley Godward, Kronish LLP, Palo Alto, California—retained for consultation.

The Mack Law Firm, Englewood, Florida—retained for consultation.

Harold M. Stevens, P.A., Ft. Myers, Florida—court testimony in Lee County.

Berry, Day, McFee and Martin, LLP, Naples, Florida—court testimony in Collier County.

McGuire Law Firm, Tampa, Florida—court testimony in Pinellas County.

Koch and Jarvis, LLC, Minneapolis, Minnesota—retained for consultation.