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CURRICULUM VITA

EDUCATION

- Ph.D. Statistics, University of California at Berkeley, CA, 1971
- M.S. Electrical Engineering, University of Toledo, Ohio, 1964
- B.S. Electrical Engineering, University of Toronto, 1963

EXPERIENCE

- Prairie View A&M University
 Professor of Electrical & Computer engineering, 9/1999 Present
 Associate Professor of Electrical & Computer Engineering, 9/1984 8/1999
 Director of Computer Science Program, Joint Appointment as Associate Professor of Electrical
 Engineering & Computer Science, 9/1985 5/1987
- University of Arkansas Associate Professor, Department of Mathematical Sciences: 9/1976 – 8/1984

PROFESSIONAL, TECHNICAL AND WORK-RELATED EXPERIENCE AND SKILLS

- NASA-ASEE Faculty Research fellow, Goddard Space Flight Center, 6/1981 8/1981
- Faculty Research Fellow, Lawrence Livermore National Laboratory, 6 /1980 8/1980
- NASA-ASEE Faculty Research fellow, Langley Research Center, 6/1979 8/1979
- NASA-ASEE Faculty Research fellow, Langley Research Center, 6/1978 8/1978
- NASA-ASEE Faculty Research fellow, Marshall Space Flight Center, 6/1977 8/1977
- Electrical Engineer, Haughton Elevator Company, Toledo, Ohio, 6/1964 1/1965
- Electronic Engineer, De Havilland Aircraft of Canada, Downsview, Ontario, Canada, 5 8/1963

PROFESSIONAL ACHIEVEMENTS AND PUBLICATIONS

- General Dynamics Excellence in Teaching Award, 1988.
- College of Engineering Award for Excellent Service, December 2001.
- Patent D. R. Vaman, S. T. Koay, N. Agarwal, "Robust and Efficient Communications Systems Apparatus Using Koay-Vaman Transform Technique to Handle Burst Noise", Utility Patent, submitted to Patent Office on March 8, 2008.
- D. R. Vaman, S. T. Koay, "Handling of Multi-path Fading Using a Simple and Least Complex KV Transform Coding Technique with Low BER Performance at Low Ed/No in Bandwidth Starved Wireless Networks", Journal of Recent Patents on Electrical Engineering, Bentham Science Publishers (invited paper).
- N. Shakhakarmi, D. R. Vaman, W. Ali, S. T. Koay, "Real Time PL&T Using Directional Antenna for MANET Fabrics", IEEE Globecom 2010, Orlando, Florida, submitted and under review.
- Suxia Cui, Yonghui Wang, Siew Koay, Yonggao Yang, "Revamp Computer Education with Multimedia and Game Technologies", 2010 ASEE Annual Conference & Exposition, Louisville, Kentucky, June 20 – 23, 2010.
- D. R. Vaman, S. T. Koay, A. Annamalai, N. Agarwal, "A Simple and Least Complex KV (Koay-Vaman) Transform Coding Technique with Low BER Performance at Low Eb/No for Multi-tiered Applications in Power and Bandwidth Constrained MANET/Sensor Networks", Proceedings of IEEE SMC 2009, P. 1257, October 11- 14, 2009.
- D. R. Vaman, S. T. Koay, Y. Zhang, T. Li, "Real Time Distributed Tri-Mode Control of Coefficient of Variance for High Quality of Service End-to-End Voice/IP Application", Eurasip Hindaawi Publications on Multimedia Applications, submitted and under review.