

Selected Publications:

- *Investigation of Feature Dimension Reduction Schemes for Classification Applications*, Center for Reconnaissance Research, June 2001, No. NPSEC-01-005.
- *A hierarchical approach to the classification of digital modulation types in multipath environments*, (with G. Hatzichristos), Center for Reconnaissance Research, May 2001, No. NPSEC-01-004.
- *Feature extraction of intra-pulse modulated signals using time-frequency analysis*, (with I. Moraitakis), MILCOM 2000, Oct. 2000.
- *Classification of mine-like objects using seismo-acoustic data*, (with M. Zambartas), Proc. 33rd Asilomar Conference on Signals, Signals, and Computers, Nov. 1999.
- *Dimension reduction issues in classification applications*, (with O. Duzenli), Proceedings of the 32nd Asilomar Conference on Signals, Signals, and Computers, Nov. 1998.
- *Wavelet-based feature extraction methods for classification applications* (with O. Duzenli), Proceedings of the 1998 Signal Processing Workshop on Statistical Signal and Array Processing, Sept. 1998.
- *Economic evaluation of voice Recognition for the Clinician Desktop at the Naval Hospital Roosevelt Road (NHRR)*, (with E. Threet), Journal of Military Medicine, Oct. 1998.
- *Detection of Frequency-Hopped Signals in Noise*, (with H. F. Overdyk), Proceedings of the 31st Asilomar Conference on Signals, Signals, and Computers, Nov. 1997.
- *Wavelet-Based Denoising of Acoustic Transients*, (with R. J. Barsanti), Proc. 30th Asilomar Conference on Signals, Systems, and Computers, Nov. 1996..
- *Hands-on Exposure to Signal Processing Concepts using the SPC Toolbox*, (with D.W. Brown), IEEE Transactions on Education, May 1996.
- *Investigations in the Numerical Behavior of the Adaptive Rank-Revealing QR Factorization*, (With M. P. Ferreira), IEEE Transactions on Signal Processing, Vol. 43, No. 11, Nov. 1995.
- *A Comparative Study of Time-Frequency and Time-Scale Transforms for Ultra-Wideband Radar Transient Signal Detection*, (with W. A. Brooks), IEE Proceedings, Radar, Sonar and Navigation, Vol. 142, No. 3, June 1995.

- *The C-Rise Algorithm and the Generalized Eigenvalue Problem*, (with A. A. Beex & M. D. Wilkes), IEE Proceedings, Radar, Sonar and Navigation, Vol. 142, No. 3, June 1995, pp. 97-104.
- *Analysis of Clock Jitter in Switched-Capacitor Systems*, (with A. A. Beex), IEEE Transactions on Circuits and Systems, Part I, July 1992, pp. 506-519.
- *A Fast Order-Recursive Generalized Hermitian Toeplitz Eigenspace Decomposition*, (with A. A. Beex), Mathematics of Control, Signals, and Systems, Vol. 3, No. 4, 1990..
- *Fast Recursive/Iterative Toeplitz Eigenspace Decomposition*, (with A. A. Beex), IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. 37, Nov. 1989.