

## **CAMBRIDGE ENGINEERING - SELECTED REPORTS AND PAPERS**

**"SMSK Signal Modulator,"** M.C. Poppe, Final Report, USCG Contract DTCEG23-01-F-DNJ312, November 2001

**"VIPS Tamper Detection Subsystem (TDS),"** M.C. Poppe, U. S. DOT/RSPA/Volpe Center Contract DTRS57-01-P-80338, July 2001

**"GMSK Signal Modulator,"** M.C. Poppe, Final Report, USCG Contract DTCEG23-00-D-DNJ001, April 2000

**"The Image Ladder: A Graphical Technique to analyze Sub-Nyquist Sampling Digital Receivers,"** M.C. Poppe, Cambridge Engineering, Inc, October 2000

**"DSP Techniques for Spread Spectrum Applications,"** M.C. Poppe, DOT/RSPA/Volpe Center Contract DTRS57-00-P-80318, June 2000

**"Summary of Ultra Wideband Techniques Experiments and Simulations,"** M.C. Poppe, Final Report, June 1999

**"VLF Data Collection Receiver,"** M.C. Poppe and D.C. Poppe, Informal Report, TASC, September 1998

**"Improved DGPS Data Reliability through the use of Advanced Signal Processing Techniques, Phase II,"** M.C. Poppe, June 1995

**"Radio Beacon Receiver CSI-RBX1 for DGPS,"** M.C. Poppe, ION GPS-92, Albuquerque, NM, September, 1992

**"Design, Development and Testing of a Loran-C Automatic Blink System (ABS),"** Martin C. Poppe (Cambridge Engineering, Inc) and Robert B. Goddard (Megapulse, Inc), presented at The Wild Goose Association Twentieth Annual Technical Symposium, October 1991

**"Medium Frequency DGPS Data Link,"** David H. Pianka (USCG R&D Center), Martin C. Poppe, Jr. (Cambridge Engineering, Inc), David J. Pietraszewski (USCG R&D Center), and Dr. Michael F. Ruane (Boston University), presented at the Fourth International Technical Meeting of the Satellite Division of the Institute of Navigation, ION GPS-91, September 1991

**"Improved DGPS Data Reliability Through the Use of Advanced Signal Processing Techniques, Phase I,"** M.C. Poppe, Contract DTRS-57-90-C-001, May 1991

**"Control Algorithm for a RHO-RHO Loran-C System,"** M.C. Poppe, Jr. (Cambridge Engineering, Inc) and Per Enge (Megapulse); presented at the Twelfth Annual Technical Symposium of the Wild Goose Association, Washington, D. C., October 1983

**"The Loran-C Receiver: A Functional Description,"** M.C. Poppe, Navigation; Journal of the Institute of Navigation, Vol. 29, No., Spring 1982

**"The K-Coupler - a New Acoustical Impedance Matching Device,"** M.C. Poppe, IEEE Transactions on Audio and Electronics, December 1966