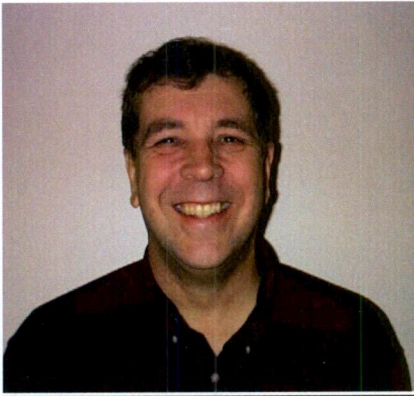


Biographical Outline for J. Michael Silva, PE



J. Michael Silva, BSE, MSE

Mr. Silva is the President of Eneritech Consultants. He holds a BS and MS in Engineering in 1971 and 1976, respectively. Mr. Silva is a registered professional engineer in Electrical Engineering in California and seven other states (Nebraska, New York, Massachusetts, Connecticut, Pennsylvania, Alabama, Texas). He has over 42 years of experience related to electric power facilities, project management and applied research projects. Early in his career, at the Southern Company, he supervised an electric transmission line design group (1971-76) and worked at the Electric Power Research Institute (1977-78). He has also worked as the manager of a variety of applied research projects at GAI (1979-82). In 1982, he founded Eneritech Consultants and has a focused on applied research on Electric and Magnetic Field (EMF), hardware and software development, electromagnetic compatibility (EMC), scientific consulting, and new technologies such as GPS and wireless applications.

Mr. Silva has served as a past advisor to the U.S. Department of Energy on various research projects, participated in the U.S. Technical Exchange Program on EMF with the Soviet Union, and has delivered a number of lectures and training seminars on EMF issues. He was the 1979 Lloyd Hunt Distinguished Lecturer in Power Engineering at the University of Southern California and an invited lecturer in programs at Ohio State University and the University of Texas. He is a senior member of Institute of Electrical and Electronics Engineers (IEEE) and past member of the Institute of Navigation. He has served as a publication referee (technical paper reviewer) for IEEE, BEMS, Journal of Exposure Analysis and Environmental Epidemiology, and the American Journal of Epidemiology. He has received awards and recognition for some of his published technical papers.

Mr. Silva's has performed research focused on the Global Positioning System and its accuracy augmentations such as differential GPS (DGPS) methods. He led a team that developed a small personal GPS logger for use in research applications. He has performed research to evaluate the use of GPS in precision agriculture and other applications close to high voltage electric power lines. He has taught 14 one-day seminars on GPS at locations across the United States to a total of over 400 persons.

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