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Highlights

1. **Over 30 years in real-time firmware, software, and algorithm development. Experienced programmer in C/C++, Matlab and signal processing.**
2. **Significant experience in designing, developing, and fielding of computer systems.**
3. **Rich combinations of practical software engineering expertise and in-depth theoretical knowledge.**
4. **Certified CompTIA Security+ (career ID COMP001020699994).**

EDUCATION

Ph.D. Geophysics, 1994, University of Houston, TX
M.S. Geophysics, 1987, University of Houston, TX
B.E. (Electrical Engineering, 1st Class Honors), 1976, University of Canterbury, New Zealand

Last 3 employments

1. L-3 Communications, 2004-present.
   Sr. Principal Software Engineer.
   Radar/RF real-time airborne signal processing software.
2. Nortel Network, 2000-2004.
   Member of Scientific Staff.
   Mobile IP network servers.
3. mail.com, 1999-2000.
   Senior Software Developer.

AWARDED PATENTS - Inventor or co-inventor

[1] Methods and systems for detecting repetitive synchronized signal events, US Patent #8,433,739 (Apr. 30, 2013), by Stephen T. Ha.
[2] Methods and systems for processing and displaying data, US Patent #8,438,203 (May 7, 2013), by Stephen T. Ha.
[3] Methods and systems to discriminate between PSK and FSK signals, US Patent #8,275,073 (Sep. 25, 2012), by Stephen T. Ha, Michael L. Mahaffey, and Frank A. Boyle.
[4] Method and computer program for identifying a transition in a phase-shift keying or frequency-shift keying signal, US Patent #8,149,975 (Apr. 3, 2012, A continuation patent of [5] below.), by Stephen T. Ha.
[5] Method and computer program for identifying a transition in a phase-shift keying or frequency-shift keying signal, US Patent #7,590,209 (Sep. 15, 2009), by Stephen T. Ha.
[6] Transducers to generate phase-encoded wavefields, US Patent #5,557,583 (Sep. 17, 1996), by Stephen T. Ha and Norman S. Neidell.
[7] Combination fiber-optic/electrical conductor well-logging cable, US Patent # 5,495,547 (Feb. 27, 1996), by Saeed Rafie, Stephen T. Ha, et al.

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[1] Ha,S.T.T., Zhou,H., Sheriff,R.E., and McDonald,J.A.,1996, Fourier transform approximations for sweeps and phase-encoded sweeps, Geophysics, 61, 1440-1452.

[2] Ha,S.T.T., Zhou,H., Sheriff,R.E., and McDonald,J.A., 1995, Artificial generation of a directional phase-encoded wavefield, IEEE Trans. Geoscience & Remote Sensing, 33, 262-267

[3] Ha,S.T.T., Zhou,H., and McDonald,J.A.,1995, Determination of reflector angular position using directional phase-encoded wavefield, IEEE Trans. Geoscience & Remote Sensing, 33, 15-25.

[4] Ha,S.T.T., Sheriff,R.E. and Gardner,G.H.F.,1991, Instantaneous frequency, spectral centroid, and even wavelets: Geophysical Research Letters, 18, 1389-1392.

[5] Ha,T.T.,1980, Further results on the pointwise controllability of Delay-differential systems: IEEE Trans. Automat. Contr., AC-25, 981-983.