

Curriculum Vitae for William J. Soltmann

Education

- Bachelor of Science, Electrical Engineering, New Jersey Institute of Technology, 1986

Professional Experience and Qualifications

- *Carr Engineering, Senior Engineer, August 2020-Present*
 - Design and develop test measurement hardware for supplemental restraints systems, electronic control modules, and other related automotive components.
 - Coordinate exemplar testing, system fault tolerance demonstrations, and diagnostic performance evaluation.
 - Perform inspections to investigate claims of product defect or malfunction.
 - Generate and execute component and sub-system testing protocols.
- *Halliburton, Scientific Advisor, January 2011-August 2020*
 - Coordinated with mechanical and electrical engineering groups to integrate Multi-Variate Optical technology into a new downhole sensor to analyze fluid characteristics.
 - Developed and built test fixtures to qualify components and assemblies.
 - Performed Environmental Stress Screening testing on all critical components.
 - Assembled and tested optical sensors, developed assembly and test procedures.
 - Assisted in the design and fabrication of two fluid identification laboratories.
- *Ometric Corporation, System Production Manager, 2005-2011*
 - Transitioned a benchtop optical system into a commercial product able to handle harsh environmental conditions, ultimately achieving regulatory approval for the system.
 - Coordinated electrical, mechanical and optical design engineering activities to develop application-specific systems.
 - Developed equipment installation protocols and system testing facilities.
- *IPC Automation, General Manager/VP of Operations, 1986-2005*
 - Responsible for the assembly and test of multiple analog servo controls and generator field controls.
 - Developed quality control systems, performed failure analysis on all critical controls, and performed laboratory evaluations of EMI, RFI, vibration, and mechanical shock.
 - Lead in-house testing and field repair of electromechanical rehabilitations system.
 - Responsible for UL/CSA/ETL approval of various control systems.
 - Investigated and determined the root cause of thermal events in electric motor controllers.

Publications and Achievements

- Recipient of 37 U.S. Patent Awards
- Recipient of three Halliburton MVP Awards for Technical Excellence and Achievement
- Recipient of Halliburton Award of Excellence for Collaboration