

GETTING TO KNOW ME:

Paul has a depth of design experience: analog, digital and RF circuits from DC to 26 GHz.

Paul has a breadth of knowledge in software: Design Software, Simulation Software, Embedded Systems Software.

Paul is experienced with medical devices and meticulous documentation: GMP, V&V, MPI

Paul is an expert with test equipment. He built his first oscilloscope while in high school. He has designed products for world-leading makers of test equipment. If you need someone who really understands microvolts and nanoseconds, he is “the man”.

Paul likes taking a new design into production and solving the problems when Murphy's Law supersedes Ohm's Law and Kirchoff's Equations.

SPECIFIC SKILLS:

- ANALOG DESIGN: ADC, DAC, DC-DC, Motor Control, Sensors
- MEDICAL DEVICE EXPERIENCE: GMP, V&V, MPI
- RF DESIGN: Amplifiers, Filters, Transmission Lines, RFID, antennas, VCO, PLL
- DIGITAL DESIGN: Xilinx FPGA, Cypress pSOC, MicroChip, Arduino, Raspberry Pi, PCIe, SATA, HDMI, DDR3
- TEST EQUIPMENT: Signal Generators, Spectrum Analyzers, Network Analyzers, Power Meters, Noise Figure, Phase Noise, Oscilloscopes
- SIMULATION, DESIGN SOFTWARE: SolidWorks, OrCad, Cadence, Mentor Graphics, ADS, HFSS, Mathcad, Spice, EZNEC, Verilog
- SOFTWARE: Python, PERL, Linux, C++, HTML, shell scripts, Verilog

WORK EXPERIENCE SUMMARY

see also: [LinkedIn Profile](#)

[Intuitive Surgical](#)

Global leader in the rapidly emerging field of robotic-assisted minimally invasive surgery

Defined, designed, built, test fixtures and procedures for next generation medical robot.

[Advantest America](#)

World's largest provider of automatic test equipment (ATE) to the semiconductor industry

Designed company's first IC tester for wireless chips.

[Hewlett Packard \(Agilent\) \(KeySight\)](#)

The world's leading electronic measurement company

- Designed test and measurement equipment which are now major product lines for Agilent Technologies, e.g. spectrum analyzers, network analyzers, signal generators, power meters.
- Pioneer in the development of embedded system to improve performance and enhance user interface.