



## Barry Hutt—CEO

Mr. Hutt, is a visionary who has successfully brought early stage ventures to market in start-up Fortune 50 companies. Hutt has over 25 years of experience leading organizations and selling solutions for prestigious technology companies. Hutt held executive positions at Dell and IBM; he lead Dell's expansion into the IT services market. With a solid track record selling complex software and services to fortune 2000 companies, Hutt has a talent for spotting industry trends and identifying unmet customer needs well ahead of the curve. With a 100% success record, Mr. Hutt, developed 8 successful ventures, started-up 2 successful professional service organizations, 1 successful software company, 3 technical sales & solution sales organizations, 3 venue-producing training programs, and 2 new storage business units for OEMs. A technology evangelist, Hutt has appeared before 15 large forums and over 100 trade shows and workshops. Hutt, won numerous awards and promotions with Veritas, IBM, and Dell for outstanding business development accomplishments. Hutt, has a Bachelor of Science degree in Computer Science from SUNY New Paltz.



## Darren Schmidt—Chief Technology Officer

Mr. Schmidt has made numerous advances in the field of Real-time Computing. He is an expert in FPGAs (Field Programmable Gate Arrays), which apply algorithms directly into hardware, increasing processing speeds for customer specific applications requiring faster processing speeds than CPUs and GPUs can deliver. He is also an expert in accelerating mathematical computations on co-processor technologies such as many-core GPUs. This coupled with his knowledge of real-time control of sensors and actuators has been critical to delivering real-world applications where real-time analytics is required.

His accomplishments include developing algorithms required for real-time computing and time-bound execution for real-time control. Schmidt's work includes converting or recreating best-effort programs to support real-time and time-bound execution. Schmidt contributed to the advancement of LabVIEW, a National Instruments product, which connects to sensors and actuators allowing customers to acquire data from sensors to control actuators for customer-specific applications. Schmidt applies his knowledge to help customers define and develop time-critical applications that use LabVIEW, LabVIEW Real-Time and LabVIEW FPGA. Schmidt advanced large telescope optic calibration capabilities by improving the real-time behavior using NVIDIA GPUs. His FPGA work includes mapping algorithms onto multiple FPGA configurations to increase processing speed and problem sizes while preserving low-latency requirements.

Schmidt's deep knowledge of FPGAs and GPUs led him to help solve complex customer problems requiring large system architectures (i.e. several hundred channels of analog inputs and outputs), thus extending his knowledge to solving complex networking scenarios. Schmidt built the world's largest real-time numerical simulator using 400 FPGAs. His design enabled the real-time control of a live wave experiment where a complex computation across FPGAs must be completed in fewer than 50 microseconds.

Schmidt has won numerous awards in his field including Best Paper Award (2012): IAENG International Conference on Scientific Computing – Numerical Transport Simulations in Semiconductor Nanostructures on CPUs and GPUs. He was awarded IEEE Senior Member and named Technical Chair (2007-2011) of the Numerical Mathematics Consortium (NMC). Schmidt holds 18 patents in image processing, real-time analytics, and computational optimization. He is a frequent speaker at industry symposiums and forums, and has published numerous academic papers including Efficient Algorithms for the Green's Function Formalism. He sits as a Senior Member of the IEEE since 2008. Schmidt holds a double B.A. in Pure Mathematics and Computer Science from the University of Iowa.