

Summit Speaks

Summit Technology Services, Inc.

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"The ultimate measure of a man is not where he stands in moments of comfort and convenience, but where he stands at times of challenge and controversy"

~Martin Luther-King Jr. ~

This Employer participates in E-Verify

For more info: contact DHS at 1-888-464-4218

Meet the staff	2
DOD	2
TECHNOLOGY REVIEW	2
Misc.	3

Presidential Address

The age of a new beginning. We have all witnessed history with the inauguration of President Barack Obama, and we are experiencing wide-spread optimism for our government and the future of the U.S. This appears to be a positive outlook in the somewhat cloudy global economy.

The economy "seems" to have leveled off. The stock market still has large swings positive and negative but I feel the bottom was reached in late 2008. I

would like to think the only place left to go is "UP".

Summit continues with a strong focus in Systems and Software



Engineering for the public, private and military contractor industries. Our project workload and staff levels decreased in the 4th quarter of 08 and our expectation is that

we will need to return to hiring in mid-February. For people longing for warmer weather and longer days, we are approaching the "50 days to Spring" milestone. Spring is just around the corner. Should you have any questions or requirements, please contact Mary, Julie or myself.

Thanks and enjoy the winter!

Craig

New Year's Wishes

May you get a clean bill of health from your dentist, your cardiologist, your gastroenterologist, your urologist, your proctologist, your podiatrist, your psychiatrist, your plumber and the I.R.S.

May your hair, your teeth, your face-lift, your abs and your stocks not fall; and may your blood pressure, your triglycerides, your cholesterol, your white blood count and your mortgage interest not rise.

May what you see in the mirror delight you, and what others see in you delight them. May someone love you enough to forgive your faults, be blind to your blemishes, and tell the world about your virtues.

May the telemarketers wait to make their sales calls until you finish dinner, may the commercials on TV not be louder than the program you have been watching, and may your check book and your budget balance ~ and include generous amounts for charity.

May you remember to say "I love you" at least once a day to your spouse, your child, your parent, your siblings; but not to your secretary, your nurse, your masseuse, your hairdresser or your tennis instructor.

And may we live in a world at peace and with the awareness of God's love in every sunset, every flower's unfolding petals, every baby's smile, every lover's kiss, and every wonderful, astonishing, miraculous beat of our heart.

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STSI Progress Report - Keeping You Informed

Government- Department of Defense: **UPDATE!!**

Summit continues to support government and Department of Defense (military) contracts. Summit is a Secret Clearance Facility that provides "cleared" engineers to highly confidential projects. We are currently working with a prime contractor to support a US Army development contract for ITT Warfare Systems.

Technology Review:

Our engineers have diverse business and technical backgrounds to support a variety of applications and projects. Our major client requirements, at this time, seem to be with the following:

- ◇ C, C#, .Net
- ◇ LabVIEW, LabVIEW/RT (real-time), TestStand
- ◇ Analog/Digital Systems
- ◇ Verilog, VHDL, FPGA, DSP
- ◇ Test (ATE), DAQ, RF, Motion/ Vision, Database
- ◇ Six Sigma Black Belts; quality management/ process improvement engineers
- ◇ RF/Antenna systems
- ◇ Plastics; thermoforming, extrusion

New Version of Software Empowers Users

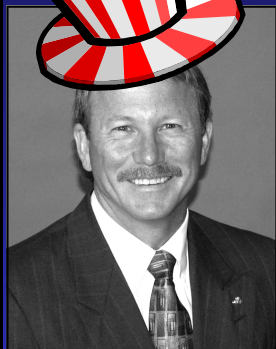
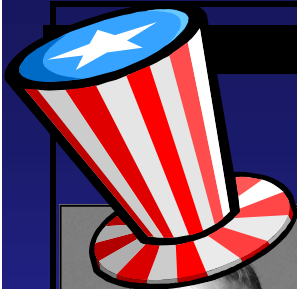
LabVIEW 8.6, the latest version of the graphical system design software platform for control, test and embedded system development. Building on the inherent parallel nature of graphical programming, LabVIEW 8.6 delivers new tools to help engineers and scientists take advantage of the benefits of multicore processors, field-programmable gate arrays (FPGAs) and wireless communication.

Further benefits for industrial users

LabVIEW 8.6 also incorporates a number of features that will be of direct benefit to industrial users, whether their interests are in machine control, process control, simulation, robotics or 'green' engineering. For example, LabVIEW 8.6 includes a number of function blocks that are compliant with IEC 61131-3, plus there are advanced tools for optimizing control systems. In addition, a new Sensor Mapping Express VI enables users to click on a 3D model imported from a CAD system to select where virtual sensors are required. The software then overlays coloured contour plots to show, for example, the stress on the surface of the component for given load conditions.

Summit Highlights:

- Turn Key Project Solutions
- High Tech Staffing
- Systems/Application Development
- Software Engineering:
 - DAQ
 - Measurement
 - Instrumentation & Motion
 - Control, Vision
 - RF, Databases
- Realtime / Embedded Systems
- Digital / Analog Systems



Craig E. Burdick
President/Owner
Corporate Management
Client Development
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*Approved
for
Government
Contracts...*



Julie Shaver
Recruiter

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National Instruments Announces Top Trends in Test and Measurement for 2009

Software-Defined Instrumentation Is Year's Most Significant Trend for Increasing Performance and Lowering Costs NEWS RELEASE - Jan. 13, 2009 -

As the global economic climate places additional constraints on budgets, test engineers are challenged to identify ways to test devices more efficiently than ever before. National Instruments, a worldwide leader in test and measurement, has identified three trends - software-defined instrumentation, parallel processing technologies and new methods for wireless and semiconductor test - that will significantly improve the efficiency of test and measurement systems in 2009. These trends help engineers develop faster and more flexible automated test systems while reducing their overall cost of test, and companies worldwide and from all industry segments are seeing significant benefits from applying these methods and technologies.

Growth of Software-Defined Instrumentation Because of the flexibility and cost-effectiveness, thousands of companies are adopting software-defined instrumentation based on the National Instruments LabVIEW graphical programming platform and the open, multivendor PXI hardware standard. According to the PXI Systems Alliance, more than 100,000 PXI systems will be deployed by the end of 2009, and the number of deployed PXI systems is expected to double in the next decade.

Increased Adoption of Parallel Processing Technologies Test engineers quickly can realize the benefits of multicore technology through inherently parallel programming environments such as LabVIEW, which automatically distributes multithreaded applications across multiple computing cores for maximum performance and throughput. Another area of growth for software-defined instrumentation is the increase in system-level tools for FPGAs. Because software programs such as LabVIEW give test engineers the ability to program FPGAs without requiring knowledge of VHDL, the performance benefits of FPGAs are no longer limited to a subset of hardware engineers with extensive knowledge in digital design.

Expansion of Wireless and Protocol-Aware Test software-defined instrumentation has proved ideal for rapid-growth areas such as wireless and protocol-aware test. For example, consumer electronics devices including cell phones and automotive in-dash entertainment systems often integrate multiple communication protocols and standards such as GPS, WiMAX and WLAN. With software-defined instruments, engineers can test multiple standards using common modular hardware components and implement emerging and custom wireless protocols and algorithms in their test systems regardless of the maturity of a new wireless standard.

About National Instruments

National Instruments is transforming the way engineers and scientists design, prototype and deploy systems for measurement, automation and embedded applications.



Mary Piscitelli

Administration Manager/
Recruiter

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*"You can't build
a reputation on
what you are
going to do."*

~Henry Ford~

Valentines Day February 14th

LabVIEW and Simulink

Simulink is widely used in automotive and aerospace applications. Engineers can define systems with a wide variety of libraries, but, as noted previously, software can get them only so far.

National Instruments offers the LabVIEW Simulation Interface Toolkit, which engineers can use to facilitate compilation of their models created using Simulink. And once a model can run in LabVIEW, it is ready to run on any real-time target platform compatible with LabVIEW. This opens the door to RCP and HIL applications and helps engineers move quickly and efficiently from modeling to real-world implementation. To learn more about how to use LabVIEW to execute simulation models you built using The MathWorks Simulink software, visit ni.com/hil.





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IT and Engineering Consulting Services

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We encourage your
feedback!
Send ideas & suggestions
to
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**Our policy
is to listen,
commit
and deliver
results**



What do our consultants say about Summit Technology Services?

- ◆ "Summit demonstrates the highest integrity in its business dealings and great professionalism in its operations".
- ◆ "Staff is excellent, attentive and considerate".
- ◆ "Summit is consummately responsive to its consultants especially compared to larger personnel agencies Summit keeps its commitments".
- ◆ "High quality and committed to service for the consultants".
- ◆ "STSI is not an average consulting firm in the respect that they operate a very diversified and broad consulting network".
- ◆ "STSI is a well run, customer and employee friendly firm that will continue to succeed".