

Cool Tools and Gadgets

A Window Into the Near Future

Presented for
Tennessee Society of CPA's
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Best Video Eyewear

- www.Myvu.com
- \$200 up
- Personal Video Eyewear
- www.cucusoftware.com
- WAY FUN!




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Best Power Gadget

- Belkin Power Strip with USB Ports **\$35**



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Best MP3 Player

- iPod Touch 32GB (\$300)
– Basically an iPhone without the phone.



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The Future of Technology

- Think You Have Seen It All?
- Future Technology is about what is to come, or in some cases maybe a few items that are here now, but you did not know about.



[SkyTran Concept](#)

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iPOD Ring Concept

- Crazy about your iPod?
- Someday you may use [iRing](#) to control playback and volume on any of your Apple media devices. iRing features a bright OLED status display with a touch-sensitive function strip, and a rechargeable battery life of up to 2 days.



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BlueTooth Where No Bluetooth Exists!

- This Princeton Bluetooth adapter is probably the smallest USB adapter yet.
- The USB adapter works on both PCs and Macs, has Bluetooth 2.0 + EDR, and sticks out only a tiny bit so you don't accidentally snap it off.
- Make your laptop Bluetooth with ease.
- \$30-\$50




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Can't see the Screen?

- How about a cell phone with built-in video projection.
- Demonstrated by [Microvision](#) at this year's CES.
- In the demonstration, a movie was projected from a device to a screen about 3 feet away, displaying an image about the same size as a 19" monitor.



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For Christmas; a 108" LCD?

- Sharp, worlds largest LCD* at 108"
- Samsung 82"
- Phillips 100" screen.
- Yours today for under \$10,000 US (but prices continue to drop!

*Panasonic holding record for 150" Plasma




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The Next Laptop?

- What if your next laptop had 0 MHz, 0 MB of RAM and 0 GB of storage space?
- Newly developing mobile devices are empowered to utilize large external displays with native high definition efficiently and seamlessly via USB or WLAN.
- Consider the "noBounds" project of the Nokia Research Center - NRC, Bochum in Germany, which enables this blast in mobile usability.


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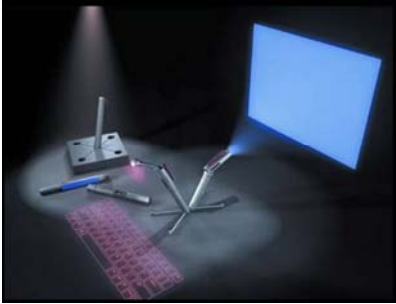
The Next Laptop?

- Using noBounds, or similar technology, your next laptop might be your cell phone.
- There are a wide number of knowledge workers who simply do not need all the power of today's laptop computers, and following a call to **Simplify**, we will see a trend toward specialized appliances to meet specific mobile needs.


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What Laptop?




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The Next Desktop?

- A brief look at [History of Personal Computing](#)
- Now consider that in the future your desktop maybe embedded into your desk using technologies like Microsoft's [Surface](#) or tools from [Perceptive Pixel](#)




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What If?

- The Desktop of the future would have minimal processing power of its own because all the processing was done elsewhere over the internet. All you files, pictures, and so forth were also stored in large data repositories perhaps in India, or maybe Antarctica (yes, the cold weather is perfect for long term storage.)

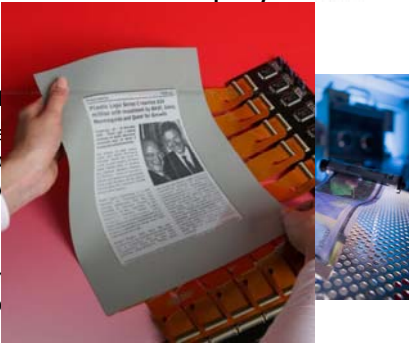
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Flexible Displays



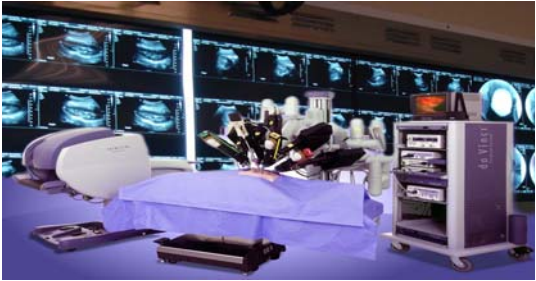
- Not only will... but so will t...
- New flexible touch keybo... will radically... concepts.
- The Flexible State Univer... the leading o...




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Robotic and Computer Assisted Surgery (CAS)




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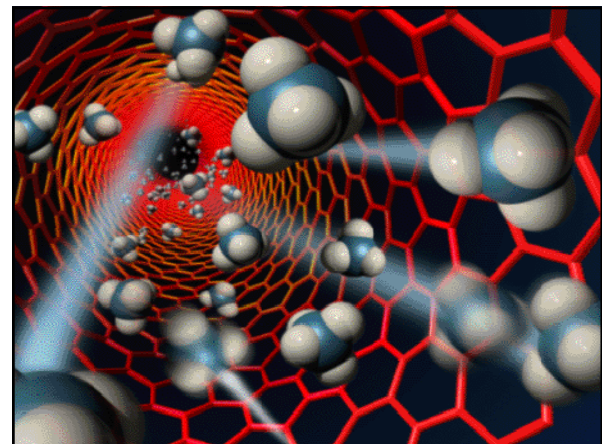
\$5 a Gallon – No Problem

- Carmakers are working on [the 100* miles per gallon car](#) and it may be sooner than you think.
- There are a number of prototypes, some futuristic, while some are just plain down to earth.



* 1000 miles per-gallon in under 10 years is possible

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Concerns over security of sensitive information will not go away anytime soon. Rather we see more attention given at very low levels of the hardware and software as security is layered into products at both the hardware and software levels.

THE FUTURE OF SECURITY



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Building a Better Browser

- Researchers at the University of Illinois at Urbana-Champaign are [building a new browser](#) from scratch to help keep hackers at bay.
- Convinced that all modern Web browsers suffer from "fundamental design flaws"
- The project, code-named OP (for Opus Palladianum) as a tribute to the Mosaic browser, is the brainchild of Samuel King, an assistant professor in the computer science department at UIUC and a renowned security expert, who [pioneered research around virtual machine rootkits](#) while an intern at Microsoft.

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Security No Longer a Silo

- The [future of security](#) technology will be the integration of security into the consciousness of every product.
- From Software; Microsoft VMware and others
- To Hardware; Cisco, HP and IBM
- Security will be layered into future machines from a very low level.



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Futuristic Security You Can Have Now!

- Wireless Mail Alert
 - Don't want sensitive mail waiting in your mail box?
 - Mail Chime Remote Mailbox Sensor Mail 1200
 - \$39.95 - \$70.95 from Amazon.com



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Futuristic Security You Can Have Now!

- Wireless Driveway Monitor
- Don't be caught unaware. Protect your home or business from unexpected visitors.
- Easy to install transmitter and wireless remote motion alert sensor.
- \$132 from Amazon.com

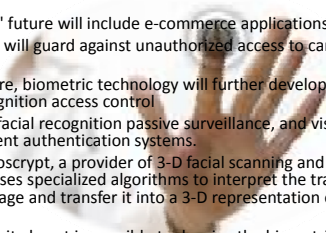


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Biometrics

- Biometrics' future will include e-commerce applications
- Biometrics will guard against unauthorized access to cars and cell phones.
- In the future, biometric technology will further develop 3-D infrared facial recognition access control
- Real-time facial recognition passive surveillance, and visitor management authentication systems.
- Already Bioscrypt, a provider of 3-D facial scanning and identification software uses specialized algorithms to interpret the traditional 2-D camera image and transfer it into a 3-D representation of a registered face.
- This makes it almost impossible to deceive the biometric system with still photos or other images.



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Two Factor Authentication

- Security Tokens - LCD displays which supplement your password for authentication
- Yubikey – One-time password generator
 - Works as a keyboard in Windows
 - Passwords are unique.
 - Can be programmed for fixed password.




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The Future of Data

- The Brainchild of Dave Hollander in the early 1990's HTML has given way to XML, another of Hollander's creations and over the next decade the World Wide Web consortium (W3C) will push HTML out altogether in favor of XHTML, the XML based alternative that is a much more dynamic data tagging method.

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The Future of Data

- **High Speed Columnar Database for Analytic Processing**
 - Traditional databases are affectively Row Wise.
 - New databases will be designed to store, index and access data Column Wise.
 - Faster access times, much better for data mining and for securing data fields considered sensitive such as SSN!


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Doing Business In Cyberspace

- Second Life, www.secondlife.com perhaps began the evolution. Business began moving into Second Life in 2006 but the market place has expanded.
- Today companies such as activeworlds working with IBM and others are creating virtual business environments that are setting the trend of business to come.


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The Maryland Association of CPAs at [Second Life](http://www.secondlife.com)

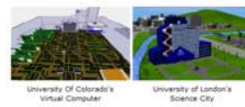


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Education In CyberSpace

Education in the Active Worlds Universe



- Participants include:
- University of California at Santa Cruz
- Cornell University
- Univeristy of Cincinnati
- Art Center College of Design
- University of Toronto
- Oslo School of Architecture
- University College London
- Haags Montessori Lyceum
- Charters School
- Sacred Heart Middle School
- Boston Museum of Science
- NASA Ames Research Laboratory
- Center for Advanced Learning Technologies
- United Nations

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Business In Cyberspace Welcome to the Metaverse

- Lean
- Shop
- Travel
- Anything is possible!



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See You In the Future!



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