

Everything is About to Change!

By Steve Hewitt
steve@ccmag.com

Tech Leaders

- The old days are gone!
- BYOD is growing since there are no clear standards.
- Logitech Bluetooth Multi-device Keyboard. Type a report on your windows notebook, flick a dial, respond to a text on you iPhone, flick again and post your status on Facebook to your Kindle.
- More and more of the greatest tech accomplishments and invisible as they are incorporated into the things of our lives.

IoT

- The Internet of Things!
- The Internet of Things (IoT) is a network of physical objects, animals or people, embedded with electronics software sensors, provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. IoT has evolved from the convergence of wireless technologies, micro-electromechanical systems (MEMS) and the Internet.

Internet of Things

- Hue lights. Experiment with shades of light, or color, have a light wake you up, or flash or dim to remind you it is time for your favorite show.
- Waze. While providing you GPS direction it is also sharing information about stall cars and police (provided by other Waze users), but it can also provide stalled traffic info based upon the speed of other cars using Waze without the human interface.
- Thermostats, locks, garage doors, etc.

Internet of Things

- A great example of IoT and a "smart" location is Disney World. Craig Rairdin shared how your wristband connects to everything. It opens your hotel door, it is how you pay for things, how to find others in your party, and the park takes pictures of you without bothering you and can present them to you at the end of your vacation because they can track who is in their pictures!

MEMS

- Micro-electromechanical systems (MEMS) is a technology that combines computers with tiny mechanical devices such as sensors, valves, gears, mirrors, and actuators embedded in semiconductor chips.
- MEMS are already used as accelerometers in automobile airbags. They've replaced a less reliable device at lower cost and show promise of being able to inflate a bag not only on the basis of sensed deceleration but also on the basis of the size of the person they are protecting.
- Wake (pronounced Wakee) is an alarm clock that will wake you up using light and sound WITHOUT waking your spouse.

At what cost?

- Your privacy.
- Your security. When do the hackers start hitting you IoT devices?
- Your future status. Everything you do, everywhere you go, everything your eyes see, the people you pick as friends, everything you say electronically (even by phone) is evaluated by others who make decisions about your employment, your credit credentials, etc.

Where does this go?

- Smart phones, smart cars, smart homes, smart social media, smart grocery stores, smart buildings, smart roads, smart cities?
- Your location will always be known. Amazon is counting on it, with plans to delivery packages to you wherever you are, not where you claim to live. No more need to change your address when you move.

Erasable Internet?

- SnapChat
- Sony wouldn't be in trouble if their emails would have disappeared after a short time!
- Apple Cloud hacks?
- IRS tried to delete emails, but they were found. Can you really delete anything on the internet?
- AT&T will not sell YOUR search and browser history IF you agree to pay an extra \$29 a month.
- United Kingdom has passed a law allow you the right to digitally disappear. But can you really?

Security Failing Will Lead to Change

- Target, Staples, Starbucks, Home Depot, and countless more have been hacked,
- The hack on Sony says a lot!
- The hacks on Xbox One and Playstation at Christmas!
- US Central Command Twitter was used by ISIS!
- Latest attack on our government computers has all employee info, including security clearances in the hands of a foreign government.
- "It is not a matter of IF, it is a matter of when!"
- What would your life be like if the Internet went down?

Social media

1. Facebook – 900,000,000 Estimated Unique Monthly Visitors
2. Twitter – 310,000,000 Estimated Unique Monthly Visitors
3. LinkedIn – 255,000,000 Estimated Unique Monthly Visitors
4. Pinterest – 250,000,000 Estimated Unique Monthly Visitors
5. Google+ - 120,000,000 Estimated Unique Monthly Visitors

Automobiles

- Ford S-Max car will always obey the speed limit
- Google cars are on the road
- Delphi had an Audi SQ5 drive coast to coast without a driver.
- If we were to all drive self-braking cars, we would see 1.9 million less crashes, and prevent one out of three fatal crashes.
- Cars are coming out with their own WiFi. What will things look like if cars can talk to each other?

Contact info

- Contact info - steve@ccmag.com
- www.ccmag.com