IoT = The Internet of Things

The "Internet of All Things" is part of our daily lives and becoming more so. Some previous articles have been about the many ways that software applications are being employed and the newest hardware available. Internet connectivity is already an integral part of everything – from automobiles down to baby monitors – and every industrial, financial, engineering and entrepreneurial sector is getting involved; such involvement will yield more than $300 (€265) billion in the next 5 years with most coming from the service sector. This also means involving more than 26 billion devices which will dominate the internet in 3 years, signifying that **MACHINES** will communicate over the internet more than **PEOPLE** will. How? Here are some real projects in the works…

revolv™ This firm has developed the way to consolidate and manage your smart home via your smartphone or tablet App. Thru one simple App, remote control devices, home detectors and sensors are managed, thus removing the complexity of connecting, controlling and automating a smart home.

NEURA Understanding the human is NEURA's goal where devices respond to their users and not just to prompts; a user's device understands context and pattern behavior. In lay terms, devices will have predictive features that respond to a person's activity: after cooking, when the user leaves home "NEURA" ensures the oven is turned off; the vacuum cleaner can be prompted to work harder after a party; after a strenuous run, the user's glucometer can access activity and blood pressure information.

humavox This company's mission is to wirelessly power all devices by using radio frequencies and thus eliminate cabling and batteries. We have been waiting for wireless power for years but competing standards and technologies have prohibited its success and HUMAVOX hopes to change that trend. Simply put, its technology starts with an initial connection followed by a smart charging solution where each device with its specific needs are detected and automatically charged. The limitless size of this technology allows for multiple devices and on a larger scale than just the typical consumer.

Heapsylon Wearable technology is a booming factor in the fashion industry; HEAPSYLON focuses on preventing runners' injuries by its "Sensoria" socks. They are infused with pressure sensors and other electronics that track cadence, foot landing, center of balance

and weight distribution on the foot. With 25 million runners in the U.S.A. alone of which 85% will suffer injury, this integration of clothing and technology could ease a lot of pain for many.

Facial recognition combined with computer vision and mechanical learning techniques turn this invention into the most advanced: it replaces keys, passwords, codes, disarms security systems and other sensitive areas. Flexible enough to recognize change, it is universal, non-transferable and virtually unhackable.

This changing reality – good or bad - is ours to expect as we continue to become one with the internet.