Intel Labs Aims to Reinvent How People Experience Computing

The 9th annual Research@Intel [1] Day was held at the Computer History Museum on June 30th, 2010. The event highlighted more than 30 research projects demonstrating the latest in technology innovation from researchers at Intel Corporation. Intel Labs pulled back the curtain to give media a peak at the future in the areas of energy, transportation, user experience, the cloud and platform innovation. Missed the event in silicon valley on June 30th? Below are just some of the news highlights:

•At the annual Research at Intel event, CTO announces a new Intel lab that will reinvent the computing experience through a deep understanding of people.

•The lab will research societies and people worldwide and design and develop technologies that enable breakthrough product experiences.

•On display at event, future technologies to revolutionize social networking, share battery life and performance across devices, can help read minds, interpret hand gestures and objects.

•Lab to also change people's engagement with technology, predicting it will become much more natural through gesture, voice and touch interactions.

•Connected Car (Smart Car)

Intel displayed its Smart Car with new features incorporated by researchers to enhance in-car experiences. These cars of the future will leverage major IT innovations to advance safety, security, efficiency, entertainment and sustainability.

•Portico

Intel Labs' brings portable interaction to tablet computers by recognizing and reacting to objects placed on tablet screens as well as objects manipulated on the surface around the tablet.

•HERB Robot

The Home Exploring Robot Butler (HERB) from Intel Labs uses its sensors to enable robots to perform useful tasks in dynamic and cluttered home environments.

•Oasis (Tabletop computing

) The future user experience, according to Intel Labs, uses projected displays on everyday household surfaces like kitchen countertops to create interactive

“islands." A user could have a movie playing while making dinner or search and display a recipe right there on the counter.

•Near Threshold Voltage Encryption Demo

A prototype hardware accelerator from Intel Labs takes computing performance to the next level. Intel's research test chip runs at 53Gbps - five times faster than the best reported work - while providing the capability to scale to ultra-low voltages for mobile and embedded applications.

•SENS

Intel's vision for the next generation of mobile devices. Coined SENS, it provides the ability to monitor real-time activities and display these activities live and direct to networked friends and family.

•Router Bricks

"RouterBricks” demonstrates the effectiveness of distributed software-based routing (soft routing) on IA. The project makes the Internet more responsive and enables more Internet-based services by creating high-speed routers from a cluster of general purpose servers.

•Dispute Finder

Dispute Finder is the first and only tool that can automatically identify disputed information that you encounter on the internet.

•Energy Sensing Management

Researchers at Intel have invented a new wireless device to make the collection of energy data simple and inexpensive for consumers in their homes. The device instantaneously measures and wirelessly reports the power consumption of each electrical load in the home.

Energy Harvesting Mannequin

Power harvesting project addressing the ever frustrating challenge of keeping mobile devices charges. In the future, these devices could communicate with each other to understand power states, harvest and transfer power between devices and share workloads.

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[1] mailto:Research@Intel