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News Fact Sheet

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DAY 2 NEWS HIGHLIGHTS AT INTEL DEVELOPER FORUM

April 3, 2008 – Intel Corporation is hosting the Intel Developer Forum on April 2-3 in Shanghai. Below are summaries of each executive’s keynote speech and the major news disclosed during the second day.

“Software: Unlocking the Opportunities on Intel Platforms”

Renee James, Intel vice president and general manager, Software and Solutions Group

Renee James discussed the crucial role software plays in unlocking the power of hardware and ultimately creating the user experience. As she talked about how computing is changing to become more visually rich and more mobile, James highlighted visual computing and mobile applications for Mobile Internet Devices (MID) as two important, rapidly growing areas of software development. She praised Intel’s investment in China to provide support for the growing number of software developers who play an increasingly important role in global software development.

- **Intel® Certified Solutions program:** James announced a comprehensive certification service available to Intel® Software Partner Program members to deliver high-quality solutions that are certified to meet rigorous standards for security, interoperability and maintainability, and are optimized for Intel technologies. The software testing and validation service, provided by SpikeSource, will help software vendors reduce development costs and improve the quality and reliability of their software solutions for Intel customers. In conjunction with this new certification initiative, Intel Capital, Intel’s global investment organization, has made an additional investment of \$10 million in SpikeSource. Intel Capital originally invested in SpikeSource in 2005 and has

played an active role to make the company successful through company building and customer introductions. Intel and SpikeSource are initially offering the service in an early adopter program, with broader availability expected later this year.

- ***Software Development Products for MIDs:*** The Intel® C++ Software Development Tool Suite for Linux* OS Supporting Mobile Internet Devices (MID) is a new Intel tool suite now available for MID system and application software development. This complete tools solution set addresses MID software performance requirements and enhances the productivity and experience of the Linux-based MID system and application development process. The tool suite covers the entire cycle of software development: coding, compiling, debugging and analyzing performance. The tools are available for free; a technical support contract can be purchased optionally. For more information visit www.intel.com/software/products/mid.
- ***Moblin Momentum:*** James underscored the success Moblin is enjoying in the global software ecosystem. Announced last year, Moblin is a Linux software platform for developing rich Internet software for MIDs. Moblin-based products are now available in the marketplace, bringing the benefits of open source software to the mobile developer community for the Intel® Atom™-based MID platform. For example, Asianux and Canonical have productized their versions of the Moblin stack and ODM/OEMs such as Aigo, BENQ, Clarion, Gigabyte and Lenovo have announced products using Moblin compliant OSes. Additionally, Adobe, Real Networks and more than 40 other ISVs are productizing their software based on Moblin compliant OSes. For more information visit www.moblin.org.
- ***\$1 Million Intel Make Something Unreal Contest:*** Intel and Epic Games launched the “\$1 Million Intel Make Something Unreal Contest” for aspiring game developers to create modifications (“mods”) for the PC version of “Unreal Tournament 3” in a wide range of categories including environments, characters, weapons, gameplay, tools, vehicles and more. Winnings are valued at \$1 million and include an Unreal Engine 3 license as a grand prize and other cash awards and prizes, including Intel® Software Development Products and Velocity Micro PCs based upon the Intel® Dual Socket Extreme Desktop Platform with two Intel® Core™2 Extreme quad-core processors. Judging is scheduled to begin in June and is slated to conclude, with the grand final prizes being awarded, in fall 2009. For more information visit www.makesomethingunreal.com.

“The Digital Transformation: Improving Quality of Life, Driving Innovation, Expanding Opportunities”

Andrew Chien, Intel vice president, Corporate Technology Group, and director, Intel Research

Andrew Chien described the current Digital transformation which is creating a world of opportunity, innovation, and improved quality of life. He discussed digital advances for more sustainable living and green environments and technology. In his keynote, Chien highlighted the products, architectural and new digital experiences which are proof of the transformation we are a part of today.

- ***New Digital Experiences for students with the second-generation Intel-powered classmate PC:*** The new generation of the Intel-powered classmate PC was shown for the first time today at Chien's speech as one of the technologies that can transform different aspects of our lives. The Intel-powered classmate PC is designed for educators, parents, students and youth; providing them access to affordable, rugged and Internet-centric PCs designed for their learning, playing and working needs. The second generation of classmate PCs offers different design choices that manufacturers can tailor-made for the vast needs of education around the world. Software developers, hardware developers, content providers, educational services providers and local OEMs have been working with Intel to develop a complete infrastructure that supports the Intel-powered classmate PC, they were also present at the announcement event at IDF Shanghai in the afternoon.
- ***World's first cascaded Raman silicon laser.*** As published in a recent issue of the prestigious Nature Photonics magazine, the new invention from Intel's Photonics technology Lab extends the operating wavelength out to 1848 nanometers with even longer wavelengths possible. The cascaded silicon Raman laser's new sensing capabilities are demonstrated by measuring such greenhouse gases as methane gas and water vapor to identify their molecular fingerprints. This example of digital advancement could lead to silicon-based lasers that offer compactness and lower cost compared to current lasers used in a wide range of spectroscopy, sensing and medical applications.
- ***Platform Power Management (PPM):*** Chien talked about two new techniques in research which are helping to improve energy efficiency in Intel-based platforms. Load adaptive power supply, jointly developed with Delta, expects to ship power supplies with 70-plus percent efficiency at minimum load. Another technique called platform power management (PPM) is a framework which will help bring about necessary improvements in energy efficiency across all our platforms. But just as importantly, it will help pave the way for advances in Tera-Scale, visual computing, and other compute intensive applications expected to redefine the way we interact with computers. These techniques are projected to reduce idle and active power consumption by approximately 10x in mobile, desktop and servers when coupled with more and more cores and capabilities.
- ***Computational Photography:*** Dr. Ren Ng, president and CEO of Refocus Imaging, a computational photography company, joined Chien on stage to demonstrate its next-generation Light Field Camera technology as an example of

new products resulting from the digital transformation. Using a Light Field Camera that records the entire light field entering the camera provides the ability to focus a photograph and change its depth of field *after* taking the shot. This break-through enables unmatched capabilities and performance that grow with Moore's Law. Refocus Imaging has headquarters in Mountain View, Calif.

- ***The many-core movement, Ct for parallel programmers:*** Jesse Fang, managing director, Intel China Research Center and Nuesoft Chief Technology Officer Dr. Zhang Xia joined Chien on stage to talk about how automobiles of the future could have the ability to detect unexpected objects and scenes real-time using on-board compute capabilities. Intel researchers are looking at ways to help overcome the challenges programmers will face to run such real-time applications on tera-scale, parallel computing processors. One of the key research projects is the Ct programming language, which is a flexible language focused on helping mainstream programmers efficiently create highly parallelized, high-performance software that takes full advantage of Intel's current and future multi-core processors. Nuesoft showed that using Ct as the language for programming proves to be significantly more efficient for programmers when compared to other parallel programming languages since little or no source code changes are required. Ct can be used on hardware today and will forward scale to Larrabee and AVX-based systems without requiring programmer intervention.

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