News Fact Sheet

'Jimmy' the Humanoid Robot: The New Face of Computing

SANTA CLARA, Calif., May 28, 2014 – Demonstrated today at the CODE Conference, Jimmy is a humanoid robot based on Intel® Core™ i5 technology that walks, talks, makes hand gestures, uses social media channels and more. It is part of the 21st Century Robot Project that provides a forum for makers worldwide to collaborate and build affordable, personalized robots using open-source design files and available apps.

Combined with the growing maker culture, technologies such as Intel® Galileo, Intel® Edison, 3-D printing and open-source app development are making it easier for individuals to create inventions such as Jimmy. It is feasible that within the next five years people may be able to build affordable custom robots based on Intel technology for less than $1,000.

Intel is committed to lowering the barriers to entry for all innovators – whether it's a child, the hobbyist or a professional designer– who have great ideas but not deep experience with technology.

What: Jimmy is a humanoid robot that can be personalized to walk, talk, make hand gestures, use social media channels and more. It is designed using open-source software and applications, as well as 3-D printing, and brought to life by Trossen Robotics.*

This fall, the "21st Century Robot" book written by Brian David Johnson from Intel Labs will be released by MAKE*, the publishers of MAKE Magazine and the company behind the international Maker Faires. Designed to inspire and guide students and makers to more easily build their own robots, the pre-release version of the book is available now to download for free at www.21stCenturyrobot.com. In the future, the site will feature how-to videos and open-source design files for creators to build their own Intel Edison-based robots. Intel is working with others to bring a developer kit to market later this year for creators to build their own Intel Edison-based robots.

Who: Intel Labs is bringing Jimmy to life in collaboration with publisher MAKE, University of Southern California*, Olin College for Engineering*, maker space The Artisans Asylum* and Trossen Robotics.

Why: Jimmy helps encourage people to think differently about what a computational device could look like in the future and to spark the imagination of inventors of any age to reimagine the ways in which people can design, create, enjoy and use new digital technologies.

Powered by Intel, these new computing models – like robotics – may become mainstream consumer electronic devices that could act as social companions, organizers, educators and more. Imagine a robot that acts as a caretaker to senior

citizens to remind them to take their medicine or is used in the classroom to augment the teacher to provide more individualized attention to students.

Robotics is a great way to encourage students with a diversity of skills and interests to engage in science, technology, engineering, and math (STEM subjects) in a new way.

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CONTACT: Alison Wesley
alison.e.wesley@intel.com