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### **Autonomous Personal Robot Offers New Spin on Home and Office Security Monitoring**

Team at Roamrobotics wins Cool Idea! Award for observant robot designed for the masses.

MAPLE PLAIN, MINN.—August 5, 2014—Roamrobotics is the latest recipient of the Proto Labs Cool Idea! Award, a program that helps turn promising concepts into market-ready products with quick-turn manufactured parts for prototyping, design iterations, testing or pilot production. The three-man team at Roamrobotics was recognised for its design of an autonomous personal robot named Jr.

Jr. is a freestanding wheel that moves independently through a home or workplace environment while audio sensors and four onboard cameras capture high-quality video and still images. Its initial capabilities — which include nearly 360 degrees of vision — will focus on security. If an intruder enters a home, for example, a Roamrobot can send a text or email notification to the homeowner alerting them of a break-in. "Our primary advantage over existing security systems is that there is no invasive installation, our software uses machine learning to get smarter over time, and the device does not remain in a static, predictable position," says Roamrobotics CEO and co-founder Scott Menor.

The first wave of roambots will be Wi-Fi- and Bluetooth-enabled with an optional cellular data plan that users can purchase. Connectivity allows all of the data gathered by Jr. to stream through the cloud directly to the Roamrobotics network and smartphone app. Content can then be securely pushed to or pulled by users.

"Our goal is to make a personal robot that is an integrated part of your household," says Menor. "We want Jr. to look and feel robust — like an appliance that belongs in your home — and to be intuitive and useful." As the Roamrobotics continues to develop Jr., new abilities will be integrated such as three-dimensional mapping of spaces, capturing spontaneous moments at social gatherings and health care monitoring of senior citizens.

"The robotics market is dominated by expensive, special-purpose, industrial robots, and inexpensive toys," explains Menor. Jr. is the first step towards Roamrobotics' long-term objective of designing an affordable human-scale personal robot.

“We were attracted by the friendly, non-threatening unicycle form factor of the Roambotics Jr.,” says Proto Labs’ founder, Larry Lukis. “The intriguing design is both aesthetic and functional, and we're excited that the Cool Idea! Award can help advance the Jr. toward commercial reality.”

Launched in 2011, the Proto Labs Cool Idea! Award gives a total of \$250,000 in services each year to entrepreneurs developing new products in the United States and Europe. Unlike other product awards that recognise products after they’re in mass production and on store shelves, the Cool Idea! Award is meant to help innovative ideas come to life. For more information about the Cool Idea! Award and to apply, visit [www.protolabs.co.uk/coolidea](http://www.protolabs.co.uk/coolidea).

#### About Proto Labs

Proto Labs (NYSE: PRLB) is a leading online and technology-enabled quick-turn manufacturer of machined and moulded parts for prototyping and low-volume production. The company produces real metal, plastic and liquid silicone rubber parts in less than three weeks through its two services: Firstcut CNC Machining and Protomold Injection Moulding. Product designers and engineers worldwide can upload 3D CAD models online and receive interactive quotes with manufacturability analysis and pricing information within hours. Go to [www.protolabs.co.uk](http://www.protolabs.co.uk) for more information about Proto Labs and its service.

#### About Roambotics

Roambotics is based in Arizona where they are developing the hardware and mobility platform to launch Jr. to market, but also more advanced versions of Jr. in the future. Learn more about them at [www.roambotics.com](http://www.roambotics.com).

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