GeckoSystems' Mobile Robots Conference to Demo GeckoSPIO(tm) Sensor Fusion Technology

CONYERS, Ga., Oct. 27, 2009 (MARKETWIRE via COMTEX) -- GeckoSystems Intl. Corp. (PINKSHEETS: GCKO | http://www.geckosystems.com/) -- announced today that during their first annual "Mobile Robots in Motion" conference November 4-5, 2009 attendees will be able to observe and discuss GeckoSystems' advanced mobile robot controller, the GeckoSPIO(tm). GeckoSystems is a dynamic leader in the emerging mobile robotics industry revolutionizing their development and usage with "Mobile Robot Solutions for Safety, Security and Service(tm)."

"The GeckoSPIO is the critical interface between the robot's physical platform and higher AI functions. This interface provides a level of abstraction for the commands sent to, and the data sent from, the robot platform. The abstraction and hierarchal architecture the GeckoSPIO provides, simplifies interacting with the platform and the real world for the high-level software, along with enabling a wide array of sensor fusion techniques," stated Mark Peele, Vice President, Research and Development, GeckoSystems.

"Our sensor loving, fully autonomous AI software, GeckoNav(tm), continues to perform in its exemplary manner to sense and avoid collisions, without human intervention. The GeckoSPIO enables higher patrolling speeds for better surveillance and a quicker payback for our commercial security and public partners while increasing ROI for our investors," concluded Martin Spencer, President/CEO, GeckoSystems.

The GeckoSPIO enables sensor fusion with seven eight-bit MCU's with eight pulse width modulation (PWM) outputs; over two hundred digital, forty analog to digital, seventeen serial, and two 10/100mhz Ethernet ports. According to Wikipedia: "Sensor fusion is the combining of sensory data or data derived from sensory data from disparate sources such that the resulting information is in some sense better than would be possible when these sources were used individually."

Everyday we use "sensor fusion" in our routine activities. For example, we smell smoke and then look for a grayish cloud to determine the source of the smoke, its proximity, and consequent degree of danger to us. In noisy crowds when we talk with someone, we use lip reading to enable us to understand what we don't hear clearly. Humans use sensor fusion every day to make choices based on data that is interdependent, or incomplete, versus using only one of our five senses. The better the sensor fusion, the better the choices and the more "actionable" the "situation awareness" is.

GeckoSystems employs proprietary sensor fusion technologies not only in its flagship automatic self-navigation software, GeckoNav(tm), but also in GeckoTrak(tm), the GeckoSPIO, and GeckoOrient(tm). GeckoTrak uses advanced sensor fusion to merge machine vision, passive infrared, and sonar to identify and/or locate the person of interest such that GeckoTrak can inform GeckoNav automatically as to the whereabouts of the designated person for continuous proximate monitoring. GeckoOrient automatically and intelligently merges sensor data from odometry (dead reckoning), a solid-state compass, and accelerometer-based gyroscopes (IMU's), for enhanced orientation accuracy while errand running, patrolling, or following a designated person.

Like an automobile, mobile robots are made from steel, aluminum, plastic, and electronics, but with ten to twenty times the amount of software running. The CareBot has an aluminum frame, plastic shroud, two independently driven wheels, multiple sensor systems, microprocessors and several onboard computers connected in a local area network (LAN). The microprocessors directly interact with the sensor systems and transmit data to the onboard computers. The onboard computers each run independent, highly specialized cooperative/subsumptive artificial intelligence (AI) software programs, GeckoSavants(tm),

which interact to complete tasks in a timely, intelligent and common sense manner. GeckoNav(tm), GeckoChat(tm) and GeckoTrak(tm) are primary GeckoSavants. GeckoNav is responsible for maneuvering, avoiding dynamic and/or static obstacles, seeking waypoints and patrolling. GeckoChat is responsible for interaction with the care-receiver such as answering questions, assisting with daily routines and reminders, and responding to other verbal commands. GeckoTrak, which is mostly transparent to the user, enables the CareBot to maintain proximity to the care-receiver using sensor fusion. The CareBot is an internet appliance that is accessible for remote video/audio monitoring and telepresence.

As predicted in the recent Forbes' article (http://www.forbes.com/2009/09/17/robots-health-care-technology-breakthroughs-telehealth.html), due to the sufficiency and cost effective robustness of GeckoSystems' first product, the CareBot(tm), near term in home evaluation trials have been recently announced. This conference will enable many industry observers to witness and determine for themselves the proximity to market and consumer acceptance their first product will enjoy.

Journalists are encouraged to contact Mr. Spencer regarding the progress of GeckoSystems and potential attendance at the upcoming GeckoSystems' invitation only "Mobile Robots in Motion" conference. Journalists and other interested parties may submit their request for an invitation at their website or call 678-413-1640.

About GeckoSystems International Corporation:

Since 1997, GeckoSystems has developed a comprehensive, coherent, and sufficient suite of hardware and software inventions to enable a new type of home appliance (a personal companion robot) the CareBot(tm), to be created for the mass consumer marketplace. The suite of primary inventions includes: GeckoNav(tm), GeckoChat(tm) and GeckoTrak(tm).

The primary market for this product is the family for use in eldercare, care for the chronically ill, and childcare. The primary distribution channel for this new home appliance is the thousands of independent personal computer retailers in the U.S. The manufacturing infrastructure for this new product category of mobile service robots is essentially the same as the personal computer industry. Several outside contract manufacturers have been identified and qualified their ability to produce up to 1,000 CareBots per month within four to six months.

The Company is market driven. At the time of founding, nearly 12 years ago, the Company did extensive primary market research to determine the demographic profile of the early adopters of the then proposed product line. Subsequent to, and based on that original market research, they have assembled numerous focus groups to evaluate the fit of the CareBot personal robot into the participant's lives and their expected usage. The Company has also frequently employed the Delphi market research methodology by contacting and interviewing senior executives, practitioners, and researchers knowledgeable in the area of elder care. Using this factual basis of internally performed primary and secondary market research, and third party research is the statistical substance for the Company's sales forecasts.

Not surprisingly the scientific statistical analyses applied revealed that elderly over sixty-five living alone in metropolitan areas with broadband Internet available and sufficient household incomes to support the increased costs were identified as those most likely to adopt initially. Due to the high cost of assisted living, nursing homes, etc. the payback for a CareBot(tm) is expected to be only six to eight months while keeping elderly care receivers independent, in their own long time homes, and living longer due to the comfort and safety of more frequent attention from their loved ones.

Using U.S. Census Bureau data and various predictive statistical analyses, the Company projects the available consumer market size in dollars for cost effective, utilitarian, multitasking eldercare personal robots in 2010 to be $74.0B, in 2011 to be $77B, in 2012 to be $80B, in 2013 to be $83.3B, and in 2014 to be $86.6B. With market penetrations of 0.03% in 2010, 0.06% in 2011, 0.22% in 2012, 0.53% in 2013, and 0.81% in 2014, we will anticipate CareBot sales, from this consumer market segment, only, of $22.0M, $44.0M, $176M, $440.2M, and $704.3M, respectively. The Company expects these sales despite --and perhaps because of-- the present recession due to pent up demand for significant cost reduction in eldercare expenses.

The foregoing forecasts do not include sales in non-metropolitan areas; elderly couples over 65 (only elderly living alone are in these forecasts); those chronically ill --regardless of age-- or elderly living with their adult children.

The Company's "mobile robot solutions for safety, security and service(tm)" are appropriate not only for the consumer, but also professional healthcare, commercial security and defense markets. Professional healthcare require cost effective, timely errand running, portable telemedicine, etc. Homeland Security requires cost effective mobile robots to patrol and monitor public venues for weapons and WMD detection. Military users desire the elimination of the "man in the loop" to enable unmanned ground and air vehicles to not require constant human control and/or intervention.

The Company's business model is very much like that of an automobile manufacturer. Due to the final assembly, test, and shipping being done based on geographic and logistic realities; strategic business-to-business relationships can range from private labeling to joint manufacturing and distribution to licensing only.

Several dozen patent opportunities exist for the Company due to the many innovative and cost effective breakthroughs embodied not only in GeckoNav, GeckoChat, and GeckoTrak, but also in additional, secondary systems that include: GeckoOrient(tm), GeckoMotorController(tm), the GeckoTactileShroud(tm), the CompoundedSensorArray(tm), and the GeckoSPIO(tm).

The present senior management at GeckoSystems has over thirty-five years experience in consumer electronics sales and marketing and product development. Senior managers have been identified for the areas of manufacturing, marketing, sales, and finance.

While GeckoSystems has been in the Development Stage, the Company has accumulated losses to date in excess of six million dollars. In contrast, the Japanese government has spent one hundred million dollars in grants (to Sanyo, Toshiba, Hitachi, Fujitsu, NEC, etc.) over the same time period to develop personal robots for their eldercare crisis, yet no viable solutions have been developed.

By the end of this year, the Company plans to complete productization of its CareBot offering with the introduction of its fourth generation personal robot, the CareBot 4.0 MSR. The Company expects to be the first personal robot developer and manufacturer in the world to begin in-home eldercare evaluation trials.

Safe Harbor:

Statements regarding financial matters in this press release other than historical facts are "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, Section 21E of the Securities Exchange Act of 1934, and as that term is defined in the Private Securities Litigation Reform Act of 1995. The Company intends that such statements about the Company's future expectations, including future revenues and earnings, technology efficacy and all other forward-looking statements be

subject to the Safe Harbors created thereby. The Company is a development stage firm that continues to be dependent upon outside capital to sustain its existence. Since these statements (future operational results and sales) involve risks and uncertainties and are subject to change at any time, the Company's actual results may differ materially from expected results.

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