## *Cleaning Robots  --  Markets Reach $2.6 Billion By 2020 and $9 Billion With Full Market Penetration in the Future*

LEXINGTON, Massachusetts (November 1, 2014) – WinterGreen Research announces that it has published a new study Cleaning Robots: Market Shares, Strategy, and Forecasts, Worldwide, 2014 to 2020.  The 2014 study has 319 pages, 109 tables and figures.  Worldwide Cleaning Robots markets are increasingly diversified, poised to achieve significant growth as new technology is used in every part of the home.

The automated process revolution in business process and communications is being extended to home cleaning robots.  Household robot market driving forces are aspects of automated process applied to the home for achieving better use of time, creating more time for people.  Using robots to replace manual cleaning is a compelling shift in managing a household.  Robots for cleaning are very useful.

Robots automating cleaning systems give a chance to run the vacuum every day and keep the home cleaner while at the same time leaving more time for leisure activities.  Innovation is the result of ongoing performance improvement in the areas of product development and customer support.  Markets have increasing competition.  Products from market leading vendors continue to compete favorably.  New products and enhancements provide ease of use.  Better batteries let products run for longer periods.

The principal competitive factors in the market for cleaning robots include performance, cost of purchase, length batteries work, and total cost of system operation.  The cost of unit maintenance and support is a competitive aspect.  Products compete based on ease of use, integration with existing equipment, quality, reliability, customer support, brand, and reputation.

Robotics related innovations improve demand.  Robots for cleaning address a broader part of the potential customer base as the technology matures.  Use of robots for cleaning is becoming more accepted.  Products are becoming more diverse.   With the technical improvements in sensors, visualization, and in the fields of robotic hobby,

recreation, and warfare, robots are becoming less expensive and more adaptive to the cleaning task.

The rise of futuristic cutting edge industries and the decline of manufacturing industries gives rise to market conditions that support the evolution of more elaborate, smaller, less expensive cleaning robots. The robot industry today is expanding from industrial areas to fields where robots can be used in the same areas with humans.

Robots have gained credibility and higher adoption rates for home cleaning.

According to Susan Eustis, lead author of the WinterGreen Research team that prepared the study, "The opportunity to participate in home cleaning robot markets is broadly open as the technologies are available to construct a system. In the case of personal robots cleaning functions are accompanied by medical, welfare, education, service, and educational functional capabilities. The robot industry follows the semiconductor industry. Sales in 2013 for home cleaning robots are small compared to what will be achieved by 2020. The home cleaning industry market is anticipated to expand to the size of a $9 billion market as every household is equipped with one or more cleaning robots. Cleaning robots will achieve their fair share of this."

Vacuum cleaner robots are forecast to grow rapidly from $981 million in 2013 to $2.6 billion by 2020 because units provide automated process that implements effective cleaning power. Vacuuming with the added convenience of automated performance is sure to fill the gap for people who have less available time to clean their homes.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, Bloomberg, and Thompson Financial. WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises.

The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise.  Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments.  It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally.  These are all vital market research support solutions requiring trust and integrity.

**Key Words**, Cleaning Robots, Cleaning RobotForecasts, Cleaning Robot Market Shares, Cleaning Robot , Vacuum Cleaning Robot, Cleaning RobotRenewable Energy, Vacuum Sensors Cleaning Robot, Cleaning RobotAdvances In Technology, Cleaning Robot Saves Shipping Costs, Cleaning Robot Saves Space, Cleaning Robot Innovation, Modular Robot Structure, Chain / Tree Architectures, Pool Cleaners  ,,

*Contact:*

**Susan Eustis, President and Co-Author**          (781) 863-5078 (Work)
WinterGreen Research                              (617) 852-7876 (Cell)
6 Raymond St.                                    susan@wintergreenresearch.com
Lexington, MA 02421                              www.wintergreenresearch.com

WinterGreen Research, Inc.
6 Raymond St.
Lexington, MA 02421
(781) 863-5078
www.wintergreenresearch.com