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Axis and Wentworth Institute of Technology Collaborate to Mold the Next Generation of Security Software Developers

Wentworth students to demonstrate advanced analytic solutions for smarter surveillance in Axis' Partner Pavilion at ISC West 2013

CHELMSFORD, Mass. – ISC West Booth #14057 – April 10, 2013 – Axis Communications, the world leader in network video, today announced a collaborative educational initiative with Boston-based Wentworth Institute of Technology that provides students with a yearly hands-on training program to accelerate IP video surveillance learning and software application development in the physical security industry.

To kick-off this unique educational initiative, Axis provided network video equipment accompanied by hands-on training for professors and students in Wentworth's Department of Computer Science and Networking. The professors then encouraged students to design software applications they believe would solve challenges in the security industry – without any influence from Axis – as well as in other areas where network video technology is prevalent, such as telemedicine, webcasting, distance learning and retail store management.

The ultimate goal of this ongoing collaboration is to advance the future of intelligent analytic development in the video surveillance industry by expanding computer science learning at Wentworth. Specifically, Wentworth students will develop applications using the Axis Camera Application Platform (ACAP), an open platform that enables software developers to create third party applications that can be downloaded to run inside Axis IP cameras and video encoders.

At ISC West 2013, Booth #14057, Wentworth students Nicholas Gelfman and Joshua Ramirez, with the help of Associate Provost and Professor Chuck Hotchkiss, will present “Smarter Surveillance” innovations they have created over the past semester using Axis' embedded Linux environment:

- □ Gelfman, a computer science major, with the guidance of Professor David Rilett, aimed to create an evolved motion detection application for Axis cameras that can improve a number of tasks, including enabling the camera to detect when an object is moving toward it in order to protect itself from vandalism and damage.
- □ Ramirez, a computer information systems major who also manages Wentworth's Internet radio station, WIRE, created a dynamic object and facial tracking application used for time logging of recognized objects. Referred to as Project Alibi, this application was inspired by the need to efficiently and securely track who enters and exits the expensive studio 24-hours a day.

“Wentworth provides students practical, hands-on learning experiences and our collaboration

with Axis offers a unique framework that encourages students to build new and creative applications on top some of the world's most innovative network video technology," said Hotchkiss. "We were eager to put Axis' impressive IP camera technology in the hands of students to further their education and help them craft their real-world developer skills."

Other IP video applications produced on Wentworth's campus not displayed at ISC West include:

- □ Customizable in-camera filters to improve image quality inspired by High Dynamic Range (HDR) photography;
- □ A free video management system that automatically detects and resolves Axis IP cameras on the network and enables instant remote control over some core functionality; and
- □ Real-time video effect modification of live images.

"Ninety-nine percent of all surveillance video is deleted without anyone ever seeing it. However, the next phase of video surveillance will be driven by intelligent systems that can proactively alert users to a potential security incident," said Robert Muehlbauer, business development programs manager, Axis Communications, Inc. "This collaboration with Wentworth is a major step toward attracting bright new minds to the world of IP video and identifying the next generation of software developers who will help shape these intelligent solutions."

□ □ **About Axis Communications**

As the market leader in network video, Axis is leading the way to a smarter, safer, more secure world – driving the shift from analog to digital video surveillance. Offering network video solutions for professional installations, Axis' products and solutions are based on an innovative, open technology platform.

Axis has more than 1,400 dedicated employees in 41 locations around the world and cooperates with partners covering 179 countries. Founded in 1984, Axis is a Sweden-based IT company listed on NASDAQ OMX Stockholm under the ticker AXIS. For more information about Axis, please visit our website www.axis.com.

About Wentworth Institute of Technology

Founded in 1904, Wentworth Institute of Technology is an independent, co-educational, nationally ranked institution offering career-focused education through 19 bachelor's degree programs in areas such as applied mathematics, architecture, business management, computer science, computer networking, construction management, design, engineering, and engineering technology. The Institute also offers master's degrees in architecture, construction management, and facility management. Wentworth is a leader in engineering, technology, design, and management education and well-known for its academic excellence and cooperative education (co-op) program, as well as community service and support for the economic growth of the region. For more information, please visit www.wit.edu.

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