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QS' Dr. Mitch Rohde Presents "PointCom" Technology at SPIE Conference

Ann Arbor, Michigan – Dr. Mitchell Rohde, Co-founder and Chief Operating Officer of Quantum Signal LLC, today presented a new command and control system for unmanned vehicles to attendees of the 2008 SPIE Defense, Security, and Sensing Conference in Orlando, Florida.

The system, dubbed **PointCom** (Point-and-Go Command), enables soldiers, law-enforcement, and others that use unmanned ground vehicles (UGVs) to more efficiently and effectively control them. Currently, many robotic vehicles used by the military require soldiers to steer them to their destination using "manual" controls that require substantial focus by the operator, very much like a remote controlled toy car.

Quantum's PointCom system leverages a combination of unique image processing, navigation, and video-game style control interface to yield semi-autonomous control. PointCom enables a soldier to "look through the eyes of the robot" and select (via "point-and-click" interface) where he/she would like that UGV to go. The UGV then autonomously guides itself to the desired spot, detecting and avoiding obstacles. This easy-to-use interface helps those soldiers working in dangerous situations remain better aware of their surroundings and focus on higher level tasks (then steering a UGV).

Progress in the development of PointCom was presented in the "Unmanned Systems Technology X" track to a cross-section of industry and academic researchers and developers. A publication accompanying the presentation is available via the SPIE Digital Library (Proc. SPIE, Vol. 6962, 69620G (2008); DOI:10.1117/12.777163).

For more information on PointCom, please visit <http://www.quantumsignal.com/robotics/teleoperation/pointcom/> or contact Quantum Signal at info@quantumsignal.com.

About Quantum Signal

Founded in 1999, Quantum Signal is an advanced engineering company located in Ann Arbor, Michigan. The company focuses on signal and image processing

development and applications as well as simulation. Markets include homeland security, defense, vehicle engineering, and entertainment (via its subsidiary, Reactor Zero). For additional information on Quantum Signal, please visit our web site at www.quantumsignal.com or call (734) 429 - 9100.

About SPIE

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