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**For more information:**  
Dr. Mitchell M. Rohde  
(734) 429 - 9100 voice  
(734) 429 -9113 fax  
[info@quantumsignal.com](mailto:info@quantumsignal.com)  
<http://www.quantumsignal.com>

## ***Quantum Signal Granted Exclusive License to Key Technologies from University of Michigan***

(ANN ARBOR, MI) -- Quantum Signal LLC has acquired exclusive licenses to two patented signal processing technologies from the University of Michigan. Quantum Signal co-founders Dr. William J. Williams and Dr. Eugene J. Zalubas developed these technologies while working at the University. This agreement extends an earlier license, granted in September of 2000, to include sublicensing and distribution of products in all fields of application excluding speech. The new agreement is for the life of the patents, and was approved by the Regents of the University of Michigan on March 14, 2002.

The two technologies, the Reduced Interference Distribution (RID) and the Scale and Translation Invariant Representation (STIR), have extraordinary applications in automotive engineering, the defense sector, and health care. A key application is in Biometrics, or recognizing individuals based on their physiological characteristics such as iris or face. Biometrics has been recognized as an important factor in the Bush administration's homeland security efforts.

"The application of these powerful methods will enable a host of new technologies," said Dr. Mitchell Rohde, one of the company's co-founders. "Quantum personnel invented RID and STIR, and have used them to solve extraordinarily difficult image and signal processing problems. This agreement will allow Quantum clients to license RID/STIR for inclusion into many products, such as an advanced face recognition system under development. RID and STIR are truly 'disruptive technologies' for the 21<sup>st</sup> century."

### About Quantum Signal

Founded in 1999, Quantum Signal LLC is an engineering services company specializing in advanced signal processing and pragmatic algorithmic solutions for its automotive, aerospace, and biometrics clients. As a leader in this dynamic field, the Ann Arbor-based firm is transitioning exciting signal processing technologies out of the ivory tower and into a wide variety of commercial applications. For additional information on Quantum Signal, please visit [www.quantumsignal.com](http://www.quantumsignal.com) or call (734) 429 - 9100.