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FOR IMMEDIATE RELEASE

ISSYS Inc. Awarded a Patent for Wireless, Batteryless, Implantable Sensors

Ypsilanti, Michigan, April 18, 2006: Integrated Sensing Systems, Inc. (ISSYS) announced today that the U.S Patent Office has granted a patent entitled "Wireless MEMS Capacitive Sensor for Physiologic Parameter Measurement" (US Patent No. 6,926,670) which covers the design, manufacturing, and anchoring of miniature, wireless, batteryless, implantable sensors.

This awarded patent is the second of many pending patents by ISSYS for its MEMS (Micro-Electro-Mechanical Systems) technology for safe, chronic, fast, detailed, real time, continuous, bio-pressure measurements. ISSYS' patent portfolio covers a wide spectrum from MEMS pressure sensor to the overall system, to delivery and anchoring, and to medical applications. This technology supports the trend towards home health monitoring and has the potential to revolutionize the way many diseases are treated. The particular targets of ISSYS products are cardiovascular disease, especially congestive heart failure, and hydrocephalus (high brain pressure) disease.

The bio-pressure monitoring system consists of two major parts: an implantable, batteryless, telemetric sensor and a companion hand-held reader. The miniature implantable micro-device, suitable for implantation directly (via a custom catheter for minimally invasive, outpatient procedure), contains a MEMS pressure sensor along with custom electronics and a telemetry antenna. Using magnetic telemetry, the reader transmits power to the sensor and the sensed pressure is in turn transmitted back to the reader. Data collected by the sensor will be used by physicians to tailor treatments. Such data collection can be performed at the doctor's office, or at home by the patient and submitted over the telephone or net.

Company Background: ISSYS is a leader in advanced micromachining technologies for medical devices, microfluidic and scientific analytical sensing applications used in the development of drug infusion pumps and wireless, implantable sensing systems. Founded in 1995 by world renowned leaders in MEMS technology, ISSYS is one of the oldest independent MEMS companies in the United States. An ISO 9001:2000 certified organization, ISSYS operates an "everything under one roof" multi-million-dollar, state-of-the-art Bio-MEMS fabrication facility located near Ann Arbor, Michigan. For more company, product and service information, please visit <http://www.mems-issys.com/>.

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