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PRESS RELEASE

For Immediate Release
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GLOBAL TECHNOLOGY CONNECTION RECEIVES US ARMY PROJECT FOR DEVELOPMENT OF A FAULT TOLERANT CONTROL SYSTEM FOR UNMANNED GROUND VEHICLES (UGVs) EXPERIENCING MOBILITY FAILURES

Atlanta, GA. September 29, 2006 – Global Technology Connection, Inc. has been awarded a US Army contract for a hierarchical fault tolerant control system for Unmanned Ground Vehicles (UGVs). This technology will be developed in collaboration with the US Army (TACOM), the University of Michigan-Dearborn's Vetronics Institute, and Lockheed Martin Missiles and Fire Control (Orlando, Florida) with the objective of providing a fault tolerant control system architecture for UGVs experiencing failures related to mobility. There are several interesting aspects to this architecture advancing the state-of-the-art in diagnostics and prognostics such as automatic failure mode learning, fusion of prognostic information derived from failure modes and historical operating mode conditions (i.e. usage patterns), and a hybrid systems-based object-oriented modeling approach.

Global Technology Connection, Inc. (GTC) is a leader in the development of diagnostic and prognostic software algorithms for condition-based maintenance and fault tolerant systems. The company provides advanced software tools which learn diagnostic and prognostic decision support models directly from data. The software can be used with a wide variety of systems such as vehicle subsystems (generators, batteries, engines, HVAC/chiller, etc.), pumps, motors, actuators, etc. In addition, GTC has developed ship design tools for affordability measurement and prediction (AMPS), self-healing composites, data fusion based diagnostics, and prognostic enhanced diagnostic system (PEDS). Global Technology Connection is headquartered in Atlanta, Georgia.

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