



**US Army Corps  
of Engineers**  
Engineer Research and  
Development Center

# News Release

Release No. A-8-08 Contact: Jackie Bryant

For Release: Sept. 29, 2008

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## **Newbury receives Army Research and Development Awards**

**ALEXANDRIA, Va.** – George E. Newbury IV, a physical scientist with the U.S. Army Engineer Research and Development Center’s (ERDC) Topographic Engineering Center (TEC) recently received three research and development (R&D) awards for his achievement during 2007. Newbury is the recipient of the Department of the Army R&D Achievement Award, the ERDC R&D Achievement Award and the TEC Award for Scientific and Technological Achievement.

Newbury earned a bachelor’s in physics from Colgate University. He recently earned a master’s from the University of Redlands in geographic information systems (GIS).

He was recognized for his co-development and fielding of “Free-D” three-dimensional (3-D) stereo viewing software, a simple-to-use tool that can quickly identify areas of interest, import relevant stereo imagery tiles, and display imagery as true, high-resolution stereo images. This tool provides the warfighter with the ability to fully use imagery data for instant 3-D visualization, analysis, and tactical planning. “I didn’t expect to receive an award for the work that I did. I just wanted to make sure TEC produced a respectable product for the Army.”

At TEC, Newbury analyzes historical photographs of Formerly Used Defense Sites for potentially contaminated locations. He has contributed to the San Pedro Riparian National Conservation Area Vegetation Studies; supported USACE’s GIS operations following Hurricane Katrina and presented the Free-D software at the 2007 Army Geospatial and Imagery Conference. In addition, he presented the Geospatial Immersive Video (GIV) to the Army Science Board. The GIV will provide the warfighter with an improved method for collecting urban terrain imagery intelligence. The GIV will also improve strategic and tactical mission planning, and better define the urban battlefield resulting in increased operational effectiveness and improve situational awareness.

TEC provides the warfighter with a superior knowledge of the operational environmental and supports the nation’s civil and environmental initiatives through research, development, and the application of expertise in the topographic and related sciences. The ERDC is the premier R&D facility for the Army Corps of Engineers, consisting of seven laboratories at four geographical sites with more than 2,000 employees and an annual research program exceeding \$1 billion. It conducts research in both military and civil works mission areas for the Department of Defense and the nation.



*Newbury*