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FOR IMMEDIATE RELEASE

FLEDERMAUS INTEGRATED INTO CLASSROOMS ACROSS THE US

Fledermaus Used as a Teaching Tool at the University of Delaware

Newark, DE, September 2006- Dr. Art Trembanis, of the University of Delaware-CSHEL - Coastal Sediments Hydrodynamics and Engineering Laboratory, will be using the Professional version of Fledermaus in his class. The theme of his field-oriented course is to present the theory, application, and interpretation of widely used and newly emerging observational equipment/techniques utilized in coastal geophysical studies.

The aim is to make students better consumers and/or producers of geophysical data by examining the systems both from operational and post-processing viewpoints. Students will gain exposure to a multitude of systems including- side-scan sonar, multibeam echosounder, LiDAR, ground penetrating radar, and sub-bottom profilers. Dr. Trembanis plans to utilize chirp seismic profiles, GPR, airborne LiDAR, aerial photos, GIS coverage, multibeam echosounder data, and side-scan sonar. The Fledermaus Professional Suite will be utilized to provide a common integration and visualization framework for the data.

“I have used Fledermaus in a variety of class room and public lecture demonstrations to give students and audience members a more immersive experience and exposure of the ocean realm. I also utilize FM in my research projects both for data analysis (LiDAR, multibeam, sub-bottom) and for visualization/interpretation of complex multi- dimension datasets.” Said Dr. Trembanis, “In this course, FM will be used by the students to visualize and interpret the various data they collected on the field trip together with other existing data sets (GIS, LiDAR, etc). We will also be using FM for pre-mission visualization of the site area for survey planning purposes and for data analysis and playback.”

Bill McKernan, Director of Sales and Marketing for IVS 3D stated, “IVS and the Fledermaus Suite originated from research at the Ocean Mapping Group (OMG) at the University of New Brunswick. Because Fledermaus began as the brain child of academic researchers, IVS has remained committed to academic institutions by offering additional support and large discounts under our academic program. We are thrilled with the prospect of Fledermaus now becoming a standard for teaching at these same institutions.”

Other key research relationships with IVS include the Cooperative Research and Development Agreement (CRADA) with the US Naval Oceanographic Office and the industrial partnership with the Center for Coastal & Ocean Mapping (CCOM) at the University of New Hampshire. CCOM has rapidly established itself as a world leading research institute in the development of new technologies and techniques applied to ocean mapping.

The Fledermaus software suite provides users with a powerful set of interactive 3D visualization tools for data processing, analysis and presentation. Fledermaus allows users near real-time, interactive 3D display of very large complex scenes at their full resolution. Users rapidly gain insight and extract more information from their combined data. Data sets such as multi-beam sonar, LIDAR, magnetic and gravity, and in fact the majority of formats of geospatially marine related data can be used with Fledermaus.

Fledermaus is used across many industries by a variety of disciplines such as geoscientists, oceanographers and hydrographers. It can be used as a tool to assess environmental and geological hazards, plan drilling locations, rig placements, or pipeline and cable routes. Data such as backscatter, side scan, geo-referenced aerial photographs or images can be draped over topographic or bathymetric data sets. Fledermaus also enables the user to import and geo-reference vertical images, such as seismic sections or geological profiles.

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