

# HYPACK v2009 to be Introduced at HYPACK 2009

HYPACK 2009 will start the year with new look featuring floating tool bars, multiple views for a project and flexible and customized window arrangement in Survey. Some of the new features in HYPACK 2009 that will be demonstrated during the conference will be new ADCP acquisition and processing module, new Google KML exporting capabilities, new side scan sonar interface including the Benthos 1624, Marine Sonics, enhanced real time QC displays, and improved Geocoder with additional bottom classification capabilities.

Some of the new feature in HYSWEEP include new sonar interfaces, improve new editing tools, and enhanced OpenGL graphic displays. With the release of HYPACK 2009, HYPACK will introduce a new USB dongle. This dongle is more rugged and has internal memory with which Hypack will implement a new licensing plan starting in 2009. The new key will also enable in-the-field upgrades (from HYPACK LITE to HYPACK, for example), and enable HYPACK to send out keys with timed expiration dates.

The 3-day training session and expert session will cover all the new features of single beam and multibeam hydrographic surveying and dredge management using HYPACK, HYSWEEP and DREDGEPACK packages.

## Guest Speakers

In 2008, HYPACK introduced its 'Expert Sessions' at their annual USA Training Seminar. These sessions provided hydrographers with a chance to interact with some of the 'movers and shakers' in the hydrographic industry. The Expert Sessions will be held once again at the 2009 HYPACK Training Seminar, schedule to be held from 12-14 January, 2009 in San Diego, CA. Headlining the first day of expert sessions will be Rob Hare of the Canadian Hydrographic Service and Dr. Luciano Fonseca of UNH-CCOM.

Rob Hare will join Pat Sanders in a discussion of Total Propagated Uncertainty (formerly known as Total Propagated Error). Rob has been at the forefront in the computation of TPU and has written several papers on the topic. After a brief introduction by Pat, showing the integration of TPU in HYPACK, Rob will address how different parameters effect the TPU computation.

Dr. Luciano Fonseca makes his second appearance at the HYPACK USA Training Seminar. Luciano is the author of 'GEOCODER', a powerful routine that has the ability to generate advanced mosaics from side scan, average back scatter and snippet data. In addition, GEOCODER has basic tools for bottom classification that are rapidly expanding. GEOCODER was first introduced into HYPACK in the 2008 release. In 2009, it receives a new user interface.