



## **An experimental study over single-beam echo sounders: Applications, Advantages, and disadvantages**

A. A.Ardalan (1), F. A.Givi (2), M.H Rezvani (1), and N Abdolmaleki (1)

(1) Department of Surveying and Geomatics Engineering, College of Engineering, University of Tehran, P.O. Box 11155-4563, Tehran, Iran, (2) Institute of Geophysics, University of Tehran, P.O. Box 11155-4563, Tehran, Iran

### **Abstract**

One of the common instruments in hydrographic and sea navigation is single-beam echo sounder. In this paper we share our experiment with the selection of single-beam echo sounders for different types of hydrographic, navigation, coastal studies, and fisheries applications.