

Geophysical Research Abstracts,  
Vol. 10, EGU2008-A-11786, 2008  
SRef-ID: 1607-7962/gra/EGU2008-A-11786  
EGU General Assembly 2008  
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## **A new idea to alert of Tsunami using of satellites altimetry and MSL**

**A.Hajizadeh**, M. Raoofian, S.Farzaneh

Department of Surveying and Geomatics Engineering, University of Tehran, P.O.Box 11365-4563, Tehran, Iran, Fax: +98-21-8008837, Emails: hajizadeh6331@gmail.com, mraoofian@ut.ac.ir

**Abstract:** In this paper using of Satellite altimetry (e.g. Topex/Poseidon) and MSL (Mean Sea Level) a new approach presents to alert of tsunami. That in memory of Satellites there is a model of MSL, that using of matching technique and coincide of two components of MSL ( $h_j$ ) (observation of sea displacement at model) and height instantaneously displacement of sea measured with satellite ( $h_i$ ), different between two components is determined. If difference between  $h_j$  and  $h_i$  is big, the system alert the occurring the Tsunami using the radio waves.

**Key words:** MSL, Tsunami, Satellite altimetry, Topex/Poseidon