

عنوان مقاله:

An attempt to link Earthquake Vulnerability Assessment with Problem Solving Strategies and Techniques

محل انتشار:

کنفرانس بین المللی استراتژیها و تکنیکهای حل مسئله (سال: 1385)

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خلاصه مقاله:

In today's global community, natural disasters are increasingly threatening the life in most of the cities. Regarding the essence of natural disasters and necessity of vulnerability assessment, hazard estimation and risk assessment, a branch of knowledge as Disaster Risk Management has been initiated to prevent and reduce the effects of these disasters on people and activities. At macro and micro scales of Disaster Risk Management process, different Structural, Urban and Regional, Social and Economical indicators is listed. With regard to expansion of disaster concepts, non-linear systems of human settlements and indicators' variety of disaster risk management, using the Models and Problem Solving Techniques for enhancement of mind map convergence and logical combination of indicators would be useful. This paper presents a method for combining the Delphi Technique (consensus and feedback process with anonymity of the participants) and Analytical Hierarchy Process (AHP) for choosing the Earthquake Vulnerability Indicators and assigning the primary and secondary weighted matrix of Tehran Earthquake Vulnerability Assessment. This type of integrated method has been tested in district no. 14 of Tehran municipality. final results and analysis will be presented in the paper

کلمات کلیدی:

Earthquake Risk Management, Vulnerability assessment, Delphi Technique, AHP Model

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