

## عنوان مقاله:

Seismic Hazard: Lessons and Perspectives Gained in the Light of Recent Events

## محل انتشار:

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## خلاصه مقاله:

The introductory section of this contribution is devoted to establishing the current state of our knowledge concerning the seismic activity of our planet, placed in the setting of plate tectonics, with particular attention paid to the so-called "intraplate" zones. Means will then be examined for improving seismic protection by attempting to predict the size and location of future earthquakes on the strength of information about past seismicity and neotectonics; this demonstration is illustrated by some noteworthy recent events. In the second section we will be taking stock of work accomplished throughout the world that derived notably from recent advances in seismic ground motion calculation for engineering purposes. This discussion deals notably with theoretical simulation techniques, indicating various problems encountered in this area, chief among which is accounting for the influence on ground motion of superficial soil and soft rock layers. The third and final section contains a global evaluation of the progress already made and of future perspectives for seismic hazard assessment both worldwide and in intraplate areas specifically.

## کلمات کلیدی:

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1304053>

