

## عنوان مقاله:

Wide Area Electrical Protection System for Seismic Hazard Prevention

## محل انتشار:

کنفرانس بین المللی زلزله، مدیریت بحران، احیا و بازسازی (سال: 1396)

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## خلاصه مقاله:

Seismic waves move in different ways including and most commons are s waves and p waves. The first effect is on the structures themselves but there are more important effects in the structures belonging to the building such as electrical equipment, gas, and water supply. The structure strength is important for resisting among the earthquakes, but the inside of the structures' sureness is more important. In this paper, a new approach for wide area electrical power protection is proposed in order to prevent the sensitive structures of the buildings. Different protection systems have been presented and the materials and protocols for the design of the proposed protection systems are presented. Different sensors can be used to detect the intensity of seismic waves in the substations but the proposed method considers real-time data which is acquired from the local or Global Seismographic Network GSN or Advanced (National Seismic System (ANSS).

## کلمات کلیدی:

Wide Area Protection System; Seismic Hazard Prevention; Power Grid; Earthquake; Seismographic Network

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/660883>

