

## عنوان مقاله:

ADVANCES IN SEISMIC ANALYSIS AND DESIGN OF BUILDING STRUCTURES

## محل انتشار:

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## خلاصه مقاله:

The states of the art and practice have evolved significantly during the past several years. Nonlinear static and dynamic analysis of structures are not obscure research tools anymore. New philosophies for design analysis of existing structures are developing rapidly. The unexpected poor performance of steel moment frame connections during the ۱۹۹۴ Northridge earthquake, has opened a new window of opportunity for some elegant analytical, design, and evaluation work. Now more than ever, the processes of developing design ground motion, structural design, monitoring and evaluation of performance before, during, and after an earthquake are intertwined. While the general tendency of the industry is to move towards more specialization in specific fields and subfields, there has never been such an acute need for multi-disciplinary expertise which would bring a global common sense to earthquake engineering. This paper attempts to provide an overview of the contemporary state of seismic analysis and design. It is hoped that by presenting the most advanced tools available to practitioners, the current shortcomings are also highlighted and the need for further improvements is emphasized

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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