

1. Record Nr.	UNINA9910299452903321
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Titolo	Earthquake-Induced Structural Pounding // by Robert Jankowski, Sayed Mahmoud
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-16324-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (168 p.)
Collana	GeoPlanet: Earth and Planetary Sciences, , 2190-5193
Disciplina	550 526.1
Soggetti	Geophysics Geotechnical engineering Engineering geology Engineering—Geology Foundations Hydraulics Geophysics/Geodesy Geotechnical Engineering & Applied Earth Sciences Geoengineering, Foundations, Hydraulics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Modelling of Structural Pounding -- Pounding between Buildings -- Pounding between Bridge Segments -- Mitigation of Pounding Effects -- Design of Structures Prone to Pounding.
Sommario/riassunto	This books analyzes different approaches to modeling earthquake-induced structural pounding and shows the results of the studies on collisions between buildings and between bridge segments during ground motions. Aspects related to the mitigation of pounding effects as well as the design of structures prone to pounding are also discussed. Earthquake-induced structural pounding between insufficiently separated buildings, and between bridge segments, has been repeatedly observed during ground motions. The reports after earthquakes indicate that it may result in limited local damage in the case of moderate seismic events, or in considerable destruction or even

the collapse of colliding structures during severe ground motions. Pounding in buildings is usually caused by the differences in dynamic properties between structures, which make them vibrate out-of-phase under seismic excitation. In contrast, in the case of longer bridge structures, it is more often the seismic wave propagation effect that induces collisions between superstructure segments during earthquakes.
