

1. Record Nr.	UNINA9910392750303321
Titolo	Advances in Environmental Vibration and Transportation Geodynamics : Proceedings of ISEV 2018 // edited by Erol Tutumluer, Xiaobin Chen, Yuanjie Xiao
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-2349-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXI, 1049 p. 725 illus., 462 illus. in color.)
Collana	Lecture Notes in Civil Engineering, , 2366-2557 ; ; 66
Disciplina	629.046
Soggetti	Engineering geology Foundations Hydraulics Transportation engineering Traffic engineering Vibration Dynamical systems Dynamics Geoengineering, Foundations, Hydraulics Transportation Technology and Traffic Engineering Vibration, Dynamical Systems, Control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Themes: -- Dynamic interaction of vehicle and transportation infrastructure (pavement, railway and airfield) -- Wave propagation and traffic induced structure and ground vibrations -- Soil-structure dynamic interaction problem in transportation -- Analysis and testing on environmental vibration -- Vehicle, machine and human induced vibrations -- Monitoring, evaluation and control of traffic induced vibrations -- Cyclic deformation of soils and transportation foundation settlement -- Structural safety and serviceability of railway, metro, roadway and bridges -- Application of geosynthetics in transportation infrastructure.
Sommario/riassunto	This volume presents papers from the 8th International Symposium on

Environmental Vibration and Transportation Geodynamics (ISEV2018). It covers the latest advances in the areas of environmental vibrations, and its impact on dynamic vehicular loading, transportation infrastructures and the built environment. This volume will be of interest to policy-makers and researchers in academia, industry and government.

---