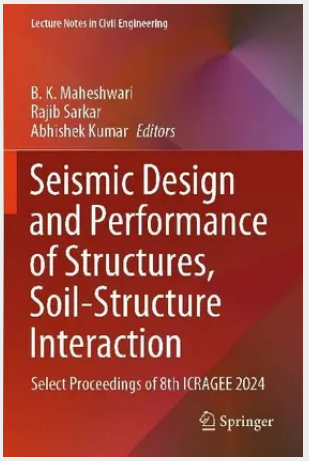
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Seismic Design and Performance of Structures, Soil-Structure Interaction

Select Proceedings of 8th ICRAGEE 2024

This book will present the select proceedings of the 8th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (8ICRAGEE) held at the Indian Institute of Technology (IIT), Guwahati between December 11 and 14, 2024. It contains the latest research papers covering the contributions and accomplishments in geotechnical earthquake engineering and soil dynamics in the last four years. The five volumes of the book cover a wide range of topics, including but not limited to seismic hazard analysis, wave propagation and site characterization, dynamic properties and liquefaction of soils, pile foundations, offshore foundations, seismic design of retaining structures and dams, seismic slope stability and landslides, dynamic soil-structure interaction, seismic design of structures. Further, recent developments on these topics are covered in different chapters. This book will be valuable not only for researchers and professionals but also for drawing an agenda for future courses of action from the perspective of geotechnical earthquake engineering, keeping the national need at the forefront.

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