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Book Name:	ScienceandTechnology:DevelopmentsandApplications
Manuscript Number:	Ms_BPR_4039
Title of the Manuscript:	Performance-Based Seismic Design Using REDSET – A Novel Reliability Evaluation Approach
Type of the Article	Book chapter

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Considering the economic impacts of recent major earthquakes all over the world, the Performance-Based Seismic Design (PBSD) concept is now under development, replacing the life safety concept, to be incorporated in the next generation of design guidelines. Although PBSD is a risk-based concept, no such acceptable concept is currently available. To fill this knowledge gap, the authors and their team recently proposed a concept known as the Reliability Evaluation of Dynamic Systems Excited in the Time Domain (REDSET). The implementation of PBSD using REDSET is demonstrated in this chapter. The structures are represented by finite elements and the seismic loading is applied in the time domain incorporating all major sources of nonlinearity and uncertainty in the design variables	
Is the title of the article suitable? (If not please suggest an alternative title)	YES	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	More information should be added on how the assessment is carried out.	
Is the manuscript scientifically, correct? Please write here.	From my point of view there are many details missing that are important to understand the purpose of the article.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	YES, but is necessary check the references	
Is the language/English quality of the article suitable for scholarly communications?	No, English of the paper needs to be revised.	
Optional/General comments	Many corrections need to be made, the article is riddled with conceptual errors.	

PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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