



## The Characterisation and Simulation of Environmental Shock and Vibration

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

Shocks and vibrations are pervasive in many environments where engineering endeavours take place. These shocks and vibrations often have a detrimental effect on the structures and vehicles involved, as well as their cargo, both human and inert. [...]

As the vast majority of environmental shocks and vibrations are random and highly (statistically) non-stationary, simply replicating the shocks and vibrations recorded from a single event (however long) will not be sufficiently representative of all possible types of shocks and vibrations that can occur. Producing a suitably representative function (or set of functions) that adequately takes into account randomly-occurring shocks as well as vibration non-stationarities from a finite number of sample records is not easily achieved. This Special Issue addresses the latest approaches and techniques specially developed or adapted for the characterisation and simulation environmental shocks and vibrations.

Prof. Dr. Vincent Rouillard  
Guest Editor

