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Models for Earthquakes Analysis

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Space time processes are useful models to describe earthquake occurrences. Many of these models are Hawkes models, or epidemic type ones, such as ETAS (epidemic type aftershock sequences). In these models, long-term components are usually modeled with inhomogeneous Poisson components, while short-term components, related to aftershock sequences, are modeled with intensities decreasing in time, either with parametric or nonparametric space time components.

The possibility of short-term forecasting is related to this kind of components; furthermore, in recent decades, there has been the possibility of explaining some of these components by means of other observable variables, such as GPS positions, fault systems, seismic waveforms, and so on. Another interesting problem connected with the analysis of seismic waveforms is the problem of early warning.

Prof. Marcello Chiodi *Guest Editor*



Specialsue





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Editor-in-Chief

Message from the Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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