

## Special Issue

# Stochastic and Non-Linear Vibrations, and Their Applications to Mechanical and Structural Reliability

### Message from the Guest Editor

The vast majority of practical mechanical components and structures in mechanical, aerospace, civil infrastructure, automotive, green power, and offshore and naval engineering applications operate under complex in-service loading and operating environments including humidity and high or low temperature environments. Such in-service loadings and operating environments are predominantly dynamic and stochastic in nature. In-situ in-service material strength, stiffness, and failure properties possess significant variability and nonlinearity due to damage development and progression such as fatigue. Considering this field's importance and relevance, this Special Issue is devoted to this important field of engineering research.

Unpublished and original research works that concern with various aspects of vibrations of mechanical and structural systems, under stochastic loadings or service environments, and/or with stochastic or non-linear system properties and behaviour, are invited for consideration for publication in this Special Issue.

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### Guest Editor

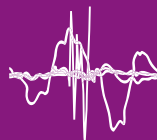
Prof. Dr. Rajamohan Ganesan

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### Deadline for manuscript submissions

closed (31 August 2019)



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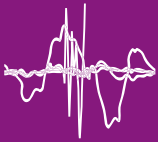


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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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