Special issue on Vibration Issues in Structural Monitoring



The three Guest Editors of this special issue shared the opportunity of a four-year process of harmonization and homogenization between senior scientists, postdocs and PhD students with civil and electrical engineering backgrounds in the area of measuring the response of vibrating structures.

System vibration is the basic input for several structural monitoring procedures with many open issues that need to be addressed. Five of them are covered by the contributions to this special issue, namely:

- a. Reduction of the data to be stored;
- b. Energy harvesting to power sensors;
- c. Solution of the inverse problem of identification;
- d. Wireless techniques for data collection;
- e. Temperature effects on the collected data.

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