Special Issue

Advancements in Modern Smart Techniques for Structural Health Monitoring (SHM) of FRP Pipelines

Message from the Guest Editors

This Special Issue focuses on the advances in smart techniques for structural health monitoring (SHM) and damages identification of FRP pipelines. In addition, it introduce of AI based methodologies for structural health monitoring of FRP pipeline systems and the analysis and feature extraction from FRP pipelines response data. Studies concerning NDE techniques, artificial intelligence for SHM of FRP pipelines. Based Methods and related fields are all welcome, both numerical and experimental. Potential topics include, but are not limited to, the following areas:

- NDE techniques for FRP Pipelines diagnosis;
- FRP Pipelines Damages modeling and simulation;
- FRP Pipelines Damages Identification;
- Smart techniques for SHM of FRP Pipelines;
- Surrogate Models for FRP Pipelines diagnosis;
- Optimization techniques for FRP Pipelines;
- Artificial Intelligence (AI) based schemes for SHM of FRP Pipelines,
- Deep Neural Networks;
- Various Machine Learning Tools;
- Probabilistic Methods for SHM combined with AI Methods;
- Feature Extraction Schemes of FRP pipelines response data.

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Editor-in-Chief

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