

## Special Issue

# Application of Machine Learning and Artificial Intelligence in NDE and Structural Health Monitoring of Civil Infrastructures

### Message from the Guest Editor

Nondestructive evaluation (NDE) and structural health monitoring (SHM) of civil infrastructures usually deal with an extensive amount of data obtained from the sensors employed/deployed. For example, ground-penetrating radar (GPR) technology utilizes antennas to collect a large number of A-scans for concrete bridge deck or high-definition cameras may be used to measure the physical parameters of structures such as the displacement, strain/stress, rotation, vibration, crack, and spalling. While most of such data have conventionally been analyzed by experts in each technology, many studies are being conducted to automate the data analysis using machine learning/artificial intelligence algorithms. In an effort to assemble those studies, MDPI's *Infrastructures* journal has proposed and organized this Special Issue. To be specific, this Special Issue will publish study results and research papers that present innovative uses of machine learning/artificial intelligence for processing NDE/SHM data. Additionally, it also encourages papers that provide comprehensive reviews of the literature on this topic.

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### Guest Editor

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### Deadline for manuscript submissions

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