

# Special Issue

## Application of Artificial Intelligence to Model the Behavior of Infrastructure

### Message from the Guest Editors

This Special Issue focuses on the latest research findings in the area of the applications of AI to model the behavior of infrastructures. Various original and novel research topics will be considered, including but not limited to:

- Leveraging AI to automatically process the data obtained through destructive experiments and non-destructive evaluation;
- Application of AI for health monitoring of infrastructures;
- The use of AI-based techniques for maintenance and rehabilitation purposes;
- Applications of AI to monitor the performance of infrastructures;
- Hybrid models to develop solutions for multiobjective problems of infrastructures;
- Serving AI-based methods for the inspection of infrastructures;
- Employing metaheuristic optimization algorithms for optimizing the design, maintenance, rehabilitation, and strengthening strategies of infrastructures;
- The use of BIM and AI-based methods for the design, maintenance, rehabilitation, and strengthening of infrastructures.

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### Guest Editors

Dr. Ali Behnood

Dr. Emadaldin Mohammadi Golafshani

Dr. Siamak Talatahari

Dr. Amir H. Alavi

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### Deadline for manuscript submissions

closed (31 December 2021)



## Infrastructures

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