

Special Issue on **Recent Applications of Computational Intelligence in Civil Engineering**

CALL FOR PAPERS

Computational intelligence is known for including powerful techniques like artificial neural networks, fuzzy systems, evolutionary computation, learning theory, or probabilistic methods. Computational intelligence is now being used more frequently by the engineers to solve a whole range of real engineering problems.

This special issue brings together the recent research, applications, and experiences of researchers in the area of applications of computational intelligence for solving scientific problems in civil engineering. The main objective of this special issue is to share, present, and discuss recent applications of computational intelligence in civil engineering with the special focus on real-world applications. Original research articles as well as review articles that will stimulate the continuing efforts in applications of computational intelligence in civil engineering are welcomed.

Potential topics include but are not limited to the following:

- ▶ Innovative applications
 - ▶ Neural modelling and computing
 - ▶ Knowledge-based systems
 - ▶ Automation and control
 - ▶ Decision-support systems
 - ▶ Image processing and analysis
 - ▶ Machine learning
 - ▶ Data mining
 - ▶ Parallel, accelerated, and distributed intelligence
 - ▶ Bioinspired models
 - ▶ Soft, fuzzy, and neurofuzzy systems
 - ▶ Probabilistic methods
 - ▶ Quantification of uncertainty in data driven models
 - ▶ Integration of data processing tool into the data driven models
- ▶ Potential applications
 - ▶ Building design and optimization methods
 - ▶ Structural health monitoring and diagnosis
 - ▶ Decision-making and prediction
 - ▶ Project management construction technology

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