## **Special Issue**

## Modeling and Control in Vibrational and Structural Dynamics

## Message from the Guest Editor

This Special Issue aims to examine the new developments in modeling and control in structural dynamics and various solution methods for special vibrational structures. Papers of theoretical and experimental nature are welcome. Acoustic and vibrational properties are commonly inherent in numerous physical and engineering systems, which have been studied by various researchers. It includes papers on dynamic modeling and vibration of structural elements. Adaptive computational methods, linear/nonlinear dynamic behaviors of smart structures/materials, dynamic stability of discrete and continuous systems, application of numerical techniques in studying linear/nonlinear dynamics of beams, arches, cables, plates, and shells; dynamic systems involving clearances, impacts, and friction; dynamics of micro-scale systems; linear/nonlinear behaviors of soil-structure, structural-acoustic, and fluid-structural interactions, stability and bifurcation analysis of piecewise systems and structures, dynamic response of hysteretic systems; vibration absorbers; rotor dynamics of systems; applications of smart sensors and actuators; multi-objective optimization.

#### **Guest Editor**

Dr. Yiu Yin Raymond Lee Department of Architecture and Civil Engineering, City University of Hong Kong, Tat Chee Avenue, Kowloon 852, Hong Kong

#### Deadline for manuscript submissions

30 September 2025



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## Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Francisco Chiclana School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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