# **Special Issue**

# New Challenges in Nonlinear Vibration and Aeroelastic Analysis

# Message from the Guest Editors

The prominent vibration problem in the operation of equipment and structures has always been an important concern of researchers in the aerospace, mechanical, construction, and other engineering fields. In particular, the lightweight structure, high speed, and high maneuverability of high-speed aircraft pose a serious risk of aerodynamic loads on the wings or fuselage panels. Furthermore, nonlinear effects, such as those of a structural, material, and aerodynamic nature, could lead to significant nonlinear vibration characteristics; therefore, the nonlinear vibration and aeroelastic characteristics of a structure, represented by the panels or shells, are hot topics in the fields of aerospace science and engineering. Also, active/passive controls of nonlinear vibration and the aeroelastic instability under aerodynamic loads are key issues to improve the overall performance of equipment.

#### **Guest Editors**

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## Deadline for manuscript submissions

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