

# Special Issue on Vibration Control of Bridge Cables

## Preface

Cables are the most important load carrying members for cable-supported bridges, such as cable-stayed bridges and cable suspension bridges. With the increasing span of the modern cable-supported bridges, the cable length is over 500 meters. The vibration control of long cables is a challenging but essential issue for the research and engineering community. Many mitigation strategies are emerging to address this issue, eg. adjustable passive dampers, MR dampers, negative stiffness dampers, inertial mass dampers, and cross-ties.

To provide an insight into the state-of-art of vibration control of bridge cables, thirteen papers are selected for this special issue after the rigorous review process. The papers covers a wide spectrum of the subject that includes theoretical, numerical and experimental studies on the control of vibration induced by wind, rain-wind, or support motion for stay cable, suspender, and cable-network, using Magneto-rheological (MR) damper, pounding tuned mass damper, inertial mass damper, and cross-link.

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