

## Special Issue

# Combined Exposure to Vibration and Noise: Annoyance Perception, Cognitive Performance, Interaction and Design

### Message from the Guest Editor

The important research topics for the exploration of the simultaneous sound and vibration are comfort, design, quality, annoyance, human health, and motion sickness. Whole-body vibration usually occurs when the whole environment is undergoing motion. People are usually exposed to whole-body vibration while traveling. Interest in human responses to whole-body vibration has grown, particularly due to the latest developments and trends in automotive industry. For example, the importance of interior comfort and motion sickness is increasing for self-driving autonomous cars. On the other hand, exposure to both noise and whole-body vibrations inside commercial vehicles or in working environments can lead to health problems, annoyance, and reduced comfort. These aspects are very similar for hand-held power tools. In recent years, the popularity of renewable energy technologies has increased strongly. Renewable energy sources generate, in most cases, both noise and vibration, particularly at low frequencies. An understanding of the cross-modal annoyance perception based on the noise and vibration of renewable energy sources is necessary and important for the preparation of new regulations

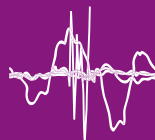
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### Deadline for manuscript submissions

closed (20 April 2024)



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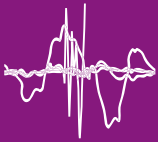


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