



Active and Passive Noise Control

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Message from the Guest Editors

Dear Colleagues,

Active and Passive Noise control (ANPC) has been successfully applied to many commercial applications, such as the noise cancelling headsets used in airplane, hearing aids, noise control for head rests, vacuum cleaners, and noise-quietening car seats in automobiles; and also in bigger scale systems, such as, ventilation ducts, cooker hoods and data server racks, and free field noise control systems for the interior of propeller planes, trains, and luxury yachts, etc. In recent years, we are also witnessing growing research interest in controlling noise coming into the residential buildings through open windows. With the advancement of low-cost, fast-computation hardware, which can take on more complex multi-channel adaptive signal processing algorithms, and coupled with reliable sensors and actuators, we are expecting to see more innovative products that harness the power of ANPC to make quieter devices and machineries.

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