

## Special Issue

# Active and Passive Noise Control

### 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. Prof. Woon Seng Gan

---

### Guest Editors

Prof. Dr. Woon-Seng Gan

School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, Singapore

Prof. Dr. Yoshinobu Kajikawa

Department of Electrical, Electronic and Information Engineering, Faculty of Engineering Science, Kansai University, Osaka 564-8680, Japan

---

### Deadline for manuscript submissions

closed (28 February 2019)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/14846](https://mdpi.com/si/14846)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://doi.org/10.3390/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )