

# Special Issue

## Design of Autonomous and Unmanned Systems

### Message from the Guest Editors

The demand for Autonomous and Unmanned Systems such as unmanned aerial vehicles, unmanned surface vehicles and unmanned ground vehicles is growing continuously. Unmanned systems are operated based on dynamics, autonomous controls, learning systems, simulation systems, etc. analyzing sensory values. The importance of the design of integrated systems is growing gradually but steadily as the complexity of the system also grows. Given that deep learning is applied to diverse kinds of the approaches of unmanned systems, 3D simulation systems are also a hot topic, where deep learning algorithms are operated, validated, and tested. This Special Issue on the “Design of Autonomous and Unmanned Systems” focuses on gathering original research and literature reviews from diverse kinds of research areas related to autonomous unmanned controls, 3D simulation systems, and control learning algorithms. Manuscript submissions in the research areas mentioned in the below keywords are highly encouraged.

### Guest Editors

Dr. Yunsick Sung

Department of Multimedia Engineering, Dongguk University-Seoul,  
Seoul 04620, Korea

Prof. Dr. Wei Song

College of Computer Science and Technology, North China University  
of Technology, Beijing 100144, China

### Deadline for manuscript submissions

closed (31 August 2021)



## Designs

an Open Access Journal  
by MDPI

CiteScore 4.8



[mdpi.com/si/68262](https://mdpi.com/si/68262)

*Designs*

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

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





# Designs

---

an Open Access Journal  
by MDPI

---

CiteScore 4.8



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



## About the Journal

### Message from the Editor-in-Chief

*Designs* (ISSN 2411-9660) is a peer-reviewed and open access journal which provides a unifying research framework for a wide range of engineering designs of disciplines and industrial applications, including mechanical engineering, electrical engineering, civil engineering, mechatronics, aerospace engineering, bioengineering, energy engineering, industrial engineering and manufacturing systems are of interest. We would like to invite you to contribute to the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Joshua M. Pearce

Department of Electrical & Computer Engineering, Western University,  
London, ON N6A 3K7, Canada

---

### Author Benefits

#### High visibility

: indexed within Scopus, Inspec, Ei Compendex and other databases.

#### Journal Rank:

CiteScore - Q2 (Engineering (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.3 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).