



Optimization, Health Monitoring and Control Methods for Modern Complex Systems

Guest Editors:

Prof. Dr. Hamid Reza Karimi

Prof. Dr. Shen Yin

Prof. Dr. Peng Shi

Deadline for manuscript
submissions:
closed (30 January 2019)

Message from the Guest Editors

Dear Colleagues,

In the last few decades, there has been increased attention to the problem of high level of automation for modern complex industrial systems with more focus on reliability, safety as well as economic performance of these systems. To this aim, literature of the work has witnessed the rapid growth of research developments on modeling, control, filtering, diagnostics and prognostics in modern industrial processes, thus become more important for both academic and industrial domains.

The primary objective of this Special Issue is to provide a forum for researchers and practitioners to exchange their latest achievements and to identify critical issues and challenges for future investigation on mathematical or data-driven modeling, optimization techniques, health monitoring, diagnostics and control design of modern complex systems. The papers to be published in the issue are expected to provide the latest results in advanced techniques especially for large-scale process industry and advanced complex electric/mechatronic/aerospace systems.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Joshua M. Pearce

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

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.

Author Benefits

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

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

Journal Rank: CiteScore - Q2 (Engineering (miscellaneous))

Contact Us

Designs Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/designs
designs@mdpi.com