Special Issue

Probabilistic Methods in Design of Engineering Structures

Message from the Guest Editors

As processing capabilities of computers and numerical algorithms are constantly increasing and designers are becoming more interested in optimizing a structure, while keeping it adequately safe. In this same way, more sophisticated methods are being used, also in engineering practice, to take into account the randomness in calculations related to structures and to assess their reliability.

Therefore, in this Special Issue, in order to establish the state of the art concerning this subject and to identify new challenges for the near future, we invite the publication of research results in each of the following fields: design of structures or their components using probabilistic methods, reliability analyses of existing objects, handling the results of experimental research using statistical processing, optimizing and modeling a structure using stochastic methods, and any developments related to considering random parameters in the design of engineering structures.

Link:
https://www.mdpi.com/journal/applsci/special_issues/engineering_structure_design

Guest Editors

Dr. Jacek Szafran

Department of Structural Mechanics, Lodz University of Technology, 6 Politechniki Street, 90-924 Lodz, Poland

Prof. Dr. Marcin Kamiński

Faculty of Civil Engineering, Architecture and Environmental Engineering, Lodz University of Technology, 6 Politechniki Street, 90-924 Lodz, Poland

Deadline for manuscript submissions

closed (30 January 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/81869

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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)