

Special Issue Reprint

Evolutionary Process for Engineering Optimization

www.mdpi.com/books/reprint/5888

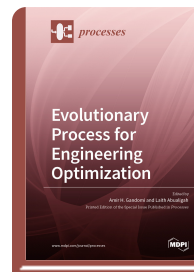
Edited by

Amir H. Gandomi

Laith Abualigah

ISBN 978-3-0365-4771-8 (Hardback)

ISBN 978-3-0365-4772-5 (PDF)



Engineering problems are one of the main focuses of data science, and there is no doubt that engineering is now quickly growing in all sciences and fields. Many problems in this domain need to be examined and analyzed by massive and varied methods to help industry and organizations make more informed business decisions, especially for uncovering design, parameter values, market trends, customer preferences, and other helpful information. In addition, engineering problems demand new and sophisticated algorithms based on optimization techniques to treat problems in the real world with high accuracy and productivity. The papers published in this Special Issue (Evolutionary Process for Engineering Optimization) have covered various vital topics, enriching the state of the art in artificial intelligence, machine learning, and engineering domains.

Additionally, these research papers build upon fundamental techniques and approaches previously accomplished. The creativity in the established papers resides in the methods, reviews, and experimental techniques that present an outstanding value for beneficial applications. This is one of the explanations of why this Special Issue has been named “Evolutionary Process for Engineering Optimization”. There is also another explanation: practical applications need researchers, scientists, and engineers to find solutions for engineering problems consistent with current technologies and react to the near future demands. That is why researchers must utilize and develop artificial-intelligence-based optimization techniques for specific needs.

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.