

Artificial Intelligence and Machine Learning Applications in Civil, Mechanical, and Industrial Engineering

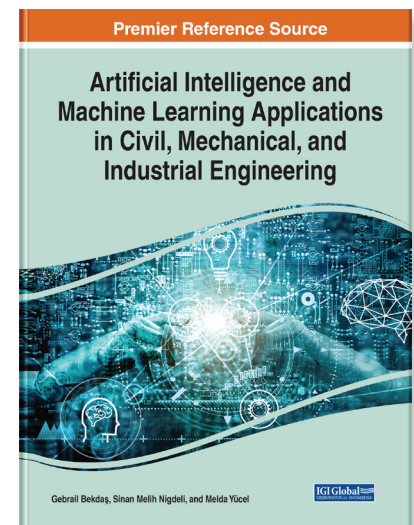
Part of the Advances in Computational Intelligence and Robotics Book Series

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Description:

In today's developing world, industries are constantly required to improve and advance. New approaches are being implemented to determine optimum values and solutions for models such as artificial intelligence and machine learning. Research is a necessity for determining how these recent methods are being applied within the engineering field and what effective solutions they are providing.

Artificial Intelligence and Machine Learning Applications in Civil, Mechanical, and Industrial Engineering is a collection of innovative research on the methods and implementation of machine learning and AI in multiple facets of engineering. While highlighting topics including control devices, geotechnology, and artificial neural networks, this book is ideally designed for engineers, academicians, researchers, practitioners, and students seeking current research on solving engineering problems using smart technology.



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Topics Covered:

- Artificial Neural Networks
- Biomechanics
- Control Devices
- Geotechnology
- Material Properties
- Optimum Design Prediction
- Structural Problems
- Supply Chain
- Transportation Models
- Vector Machines

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