

## Artificial Intelligence Applications for High-Performance Built Environments

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Artificial Intelligence Applications for High-Performance Built Environments draws on the authors' international academic and industry experience to provide readers with a comprehensive overview of the beneficial impact of AI to the building industry, with both theoretical insights and real-world applications. The book demonstrates how many building industry challenges can be successfully addressed using intelligent technologies while also presenting detailed, cutting-edge methods of applying AI to a range of building industry procedures and performance aspects of the built environment. Readers will learn how to use AI solutions to address similar problems they may be confronted with in their projects/investigations. Sections suggests models, algorithms, and tools, providing a practical pathway for readers to apply AI technologies across the entire building process lifecycle to enhance innovation, efficiency, and productivity. The book's emphasis on intelligence technologies appeals equally to academic and industry-based readers who are not only interested in getting in front of the sector's technology curve but also in discovering innovative, practical solutions.

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