

## ARTIFICIAL INTELLIGENCE IN STRUCTURAL ENGINEERING%0A

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advancements of a section of computer science called artificial intelligence it is now conceivable to create a knowledge-based system to automate or assist in the early, preliminary stages of the structural design process.

**ARTIFICIAL INTELLIGENCE AND STRUCTURAL ENGINEERING**  
o contents o 1 structural modelling, representation and

analysis 1.1 form, function and behavior in structural engineering kn- owledge representation, j.a. abdalla, d.h.d. phan and h.c. howard,

#### **Artificial Intelligence in Civil Engineering - Hindawi**

Artificial intelligence is a branch of computer science, involved in the research, design, and application of intelligent computer. Traditional methods for modeling and optimizing complex structure systems require huge amounts of computing resources, and artificial-intelligence-based solutions can often provide valuable alternatives for

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Engineering and The Fijith International Conference on the Applications of Artificial Intelligence to Civil and Structural Engineering, held concurrently 13-15 September 1999, at Oxford, England.

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