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Today, soft computing algorithms are becoming important classes of efficient tools for developing intelligent systems and providing solutions to complicated civil engineering problems. The focus of this journal is on applications of soft computing methods in civil engineering.

Soft Computing in Civil Engineering

Application of soft computing has provided the opportunity to integrate human-like vagueness and real-life uncertainty into an otherwise hard computer program. This text highlights some of the developments in practical applications of soft computing in engineering problems.

Practical Applications of Soft Computing in Engineering

Machine Design Laboratory, Department of Mechanical Engineering & Aeronautics, University of Patras, Patras 26500, Greece Received 6 June 2006; received in revised form 4 October 2007; accepted 5 October 2007 Available online 3 December 2007 Abstract The present paper surveys the application of soft computing (SC) techniques in engineering design.

Soft computing in engineering design – A review

The 'soft computing' methods they use can solve very difficult inverse problems based on reduction in disorder. This book outlines these methods and applies them to a range of difficult engineering problems, including applications in computational mechanics, earthquake engineering, and engineering design.

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With the computational power now available, importance of this relatively new branch of knowledge, that is heavily dependent on soft computing, will grow significantly in the future. The appearance of a book like this one helps spread awareness about the new techniques based on soft computing and is thus a welcome addition.

Soft Computing - Techniques and its Applications in

Soft Computing Techniques and Applications in Mechanical Engineering is a pivotal reference source for the latest research findings on a comprehensive range of soft computing techniques applied in various fields of mechanical engineering.

practical applications of soft computing in engineering

Soft computing is playing an increasing role in the study of complex systems in science and engineering. There is a large spectrum of successful applications of soft computing in very different applications domains such as aerospace, communication, consumer appliances, electric power systems,

Soft Computing in Software Engineering | Ernesto Damiani

Summary. Soft computing methods such as neural networks and genetic algorithms draw on the problem solving strategies of the natural world which differ fundamentally from the mathematically-based computing methods normally used in engineering.

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