Chapter 2

Engineering Design Applications

Morphogenic Evolutionary Design: Cellular Automata Representations in Topological Structural Design
R. Kicinger, T. Arciszewski, K. Dejong

Design Search and Optimisation using Radial Basis Functions with Regression Capabilities.
A.J. Keane

Genetic Programming Within Civil Engineering
D. Shaw, J. Miles, A. Gray

Enhancing Automated Process Design with Cognitive Agents, Distributed Software Components and Web Repositories
I. E. Stalker, E. Fraga

Robust Solutions in Engineering Design - Stochastic Simulation vs DACE
R. A. Bates, H.P. Wynn

Adaptive Search for an Optimum in a Problem of Oil Stabilisation Process Design
A. Zilinskas, E. Fraga, A. Mackute, A. Varoneckas

Application of Artificial Neural Networks in a Differential Pulse Code Modulation Scheme
H. B. Bahar