Evolutionary Algorithms and Chaotic Systems Studies in Computational Intelligence

By -

Springer. Paperback. Condition: New. 560 pages. Dimensions: 9.0in. x 6.1in. x 1.2in.Ever since the historical discovery of the now-famous Lorenz system in 1963, a large number of nonlinear systems that can produce chaos have been - served, constructedandanalyzed. Infact, chaostheoryhasbecomeindispe- able for science and engineering at all levels of research today. The most - tive recent researchincludes chaos controland chaos synchronization, among others, with a visible trend toward real-world applications. The book titled Evolutionary Algorithms and Chaotic Systems, edited by Ivan Zelinka, Sergej Celikovsky, Hendrik Richter and Guanrong Chen, is a timely volume to be welcome by the chaos community as well as c- putational intelligence community and beyond. This book is devoted to the studies of common and related subjects in two intensive research elds of chaos theory and evolutionary computation. It was not typical that e- lutionary computing techniques are used for eective chaos control, chaos synchronization, chaosidentication, andin particularfor chaosanalysisand synthesis, therefore this edition of collective state-of-the-art articles on such interdisciplinarysubjects isespecially valuableforthescienticandengine- ing communities. For these reasons, I enthusiastically recommend this book to our scientists and engineers working in the elds of nonlinear dynamics, evolutionary algorithms, control theory, circuits and systems, and scientic computing alike. University...

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