



## Advances in Chaos Theory and Intelligent Control /

Azar, Ahmad Taher.,  
editor

Vaidyanathan, Sundarapandian.,  
editor

Springer International Publishing :  
Imprint: Springer,  
2016

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Monografía

The book reports on the latest advances in and applications of chaos theory and intelligent control. Written by eminent scientists and active researchers and using a clear, matter-of-fact style, it covers advanced theories, methods, and applications in a variety of research areas, and explains key concepts in modeling, analysis, and control of chaotic and hyperchaotic systems. Topics include fractional chaotic systems, chaos control, chaos synchronization, memristors, jerk circuits, chaotic systems with hidden attractors, mechanical and biological chaos, and circuit realization of chaotic systems. The book further covers fuzzy logic controllers, evolutionary algorithms, swarm intelligence, and petri nets among other topics. Not only does it provide the readers with chaos fundamentals and intelligent control-based algorithms; it also discusses key applications of chaos as well as multidisciplinary solutions developed via intelligent control. The book is a timely and comprehensive reference guide for graduate students, researchers, and practitioners in the areas of chaos theory and intelligent control. .

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**Título:** Advances in Chaos Theory and Intelligent Control edited by Ahmad Taher Azar, Sundarapandian Vaidyanathan

**Editorial:** Cham Springer International Publishing Imprint: Springer 2016

**Descripción física:** 1 recurso en línea XII, 873 p. 420 illus., 127 illus. in color

**Mención de serie:** Studies in Fuzziness and Soft Computing 1434-9922 337 Springer eBooks

**Detalles del sistema:** Modo de acceso: World Wide Web

**ISBN:** 9783319303406 978-3-319-30340-6

**Materia:** Engineering Artificial intelligence Statistical physics Dynamical systems Computational intelligence  
Vibration Dynamics Control engineering Robotics Mechatronics Engineering Computational Intelligence  
Vibration, Dynamical Systems, Control Control, Robotics, Mechatronics Artificial Intelligence (incl. Robotics)  
Statistical Physics, Dynamical Systems and Complexity

**Autores:** Azar, Ahmad Taher., editor Vaidyanathan, Sundarapandian., editor

**Entidades:** SpringerLink (Online service)

**Punto acceso adicional serie-Título:** Studies in Fuzziness and Soft Computing 1434-9922 337

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### **Baratz Innovación Documental**

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es