



### Springer books available as

 Printed book

Available from [springer.com/shop](http://springer.com/shop)

 eBook

Available from your library or  
▶ [springer.com/shop](http://springer.com/shop)

 MyCopy

Printed eBook for just  
▶ € | \$ 24.99  
▶ [springer.com/mycopy](http://springer.com/mycopy)

## Understanding Complex Systems

Series Editors: H.D.I. Abarbanel (et al.)

Future scientific and technological developments in many fields will necessarily depend upon coming to grips with complex systems. Such systems are complex in both their composition – typically many different kinds of components interacting simultaneously and nonlinearly with each other and their environments on multiple levels – and in the rich diversity of behavior of which they are capable. The Springer Series in Understanding Complex Systems series (UCS) promotes new strategies and paradigms for understanding and realizing applications of complex systems research in a wide variety of fields and endeavors. UCS is explicitly transdisciplinary. It has three main goals: First, to elaborate the concepts, methods and tools of complex systems at all levels of description and in all scientific fields, especially newly emerging areas within the life, social, behavioral, economic, neuro- and cognitive sciences (and derivatives thereof); second, to encourage novel applications of these ideas in various fields of engineering and computation such as robotics, nano-technology and informatics; third, to provide a single forum within which commonalities and differences in the workings of complex systems may be discerned, hence leading to deeper insight and understanding. UCS will publish monographs, lecture notes and selected edited contributions aimed at communicating new findings to a large multidisciplinary audience.

### Recently published:

M.R. Rahimi Tabar

#### Analysis and Data-Based Reconstruction of Complex Nonlinear Dynamical Systems

Using the Methods of Stochastic Processes

T. Carmichael, A. Collins, M. Hadzikadic (Eds.)

#### Complex Adaptive Systems

Views from the Physical, Natural, and Social Sciences

V. In, P. Longhini, A. Palacios (Eds.)

#### Proceedings of the 5th International Conference on Applications in Nonlinear Dynamics

### Upcoming Volumes:

I. Eliazar

#### Power Laws

A statistical trek

A. Zakharova

#### Chimera Patterns in Networks

Interplay between Dynamics, Structure, Noise, and Delay



Submission information at the [series homepage](http://series.homepage) and [springer.com/authors](http://springer.com/authors)

Order online at [springer.com](http://springer.com) ▶ or for the Americas call (toll free) 1-800-SPRINGER ▶ or email us at: [customerservice@springer.com](mailto:customerservice@springer.com). ▶ For outside the Americas call +49 (0) 6221-345-4301 ▶ or email us at: [customerservice@springer.com](mailto:customerservice@springer.com).