



Complex Physical, Biophysical and Econophysical Systems: Proceedings of the 22nd Canberra International Physics Summer School (Hardback)

By -

World Scientific Publishing Co Pte Ltd, Singapore, 2010.
Hardback. Book Condition: New. 230 x 154 mm. Language: English . Brand New Book. This book arose from a conference organized under the auspices of the Australian Research Council's Complex Open Systems Research Network (which has become the most prominent for complex systems in the world - just Google complex systems network), the ANU Centre for Complex Systems, and the Asia-Pacific Center for Theoretical Physics. The book is unique in the scope of its coverage of applications of complex systems science, including: extraterrestrial - astrophysical, solar and space plasmas; earth system - climate, ecosystems; and, human systems - brain dynamics, social networks, financial statistics, advanced technologies. It also presents up-to-date discussions of new theoretical approaches, in particular those based on entropy and entropy production maximization, a field still under development but with much promise for providing a much-needed unifying principle for complex systems science. The authors are at the forefront of their fields, and organized their chapters to effectively bring out common features of complex systems. A comprehensive and common lexicon of keywords has been used to unify indexing, thus making the book an invaluable introduction to anyone seeking an overview...



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